

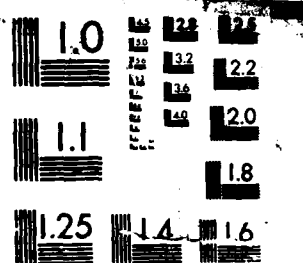
AC-4133 452

OTIS ANGB MASSACHUSETTS REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS/ AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT AFB 12 JUN 87
USAFETAC DC-87 040 F 4/2

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UNCLASSIFIED

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USMA 725060

USAFETAC/DS-87/040

OPERATING LOCATION - A

18 JUN 1987

USAFETAC

Air Weather Service (MAC)

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REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

OTIS ANGB MA MSC #725060
N 41 39 W 070 31 ELEV 131 FT FMHA
PARTS A - F HOURS SUMMARIZED: 0000 - 2300 LST
PERIOD OF RECORD:
HOURLY OBSERVATIONS: JAN 77 - DEC 86
SUMMARY OF DAY DATA: OCT 42 - APR 44
NOV 48 - DEC 86
TIME CONVERSION GMT TO LST -5

"Approved for public release;
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FEDERAL BUILDING

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REVIEW AND APPROVAL STATEMENT

USAFETAC/DS-87/040, Otis ANGB MA RUSSWO Jun 1987, is approved for public release. There is no objection to unlimited distribution of this document to the public at large, or by the Defense Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

This document has been reviewed and is approved for publication.

FOR THE COMMANDER



WALTER S. BURGMANN

Scientific and Technical Information Program Manager

REPORT DOCUMENTATION PAGE

- 1a. Report Security Classification: UNCLASSIFIED
3. Distribution/Availability of Report: Approved for public release; Distribution unlimited.
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5. Monitoring Organization Report Number: USAFETAC/DS-87/040.
- 6a. Name of Performing Organization: USAFETAC/OL-A
- 6b. Office Symbol:
- 6c. Address: Federal Building, Asheville, NC 28801-2723.
11. Title: (RUSSWO) Otis AANGB MA.
12. Personal Author(s):
- 13a. Type of Report: Data Summary
- 13b. Time Covered: Oct 42-Apr 44, Nov 48-Dec 86.
14. Date of Report: Jun 87
15. Page Count: 312
16. Supplementary Notation:
17. COSATI Codes: Field--04, Group--02
18. Subject - Terms: *Climatology; *weather; *meteorological conditions; winds; precipitation; temperature; visibility; barometric pressure; relative humidity; sky cover; psychrometric data; ceiling; Revised Uniform Summary of Surface Weather Observations (RUSSWO); Otis ANGB MA; Falmouth MA; Massachusetts; USMA725060.
19. Abstract: A six-part statistical data summary of surface weather observations for Otis ANGB MA. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (ADA132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWO) for complete description of contents and instructions for use.
20. Distribution/Availability of Abstract: Same as report.
21. Abstract Security Classification: UNCLASSIFIED.
- 22a. Name of Responsible Individual: Marianne L. Cavanaugh
- 22b. Telephone: (618)256-2625
- 22c. Office Symbol: USAFETAC/LDD

[illegible]

STATION NAME: OTIS ANGB MA

STATION NUMBER: 725060

CALL ID: XFMH

PERIOD OF RECORD:

HOURS SUMMARIZED: 0000-2300 LST

HOURLY OBSERVATIONS: JAN 77 - DEC 86

SUMMARY OF DAY DATA: OCT 42 - APR 44, NOV 48 - DEC 86

TIME CONVERSION GMT TO LST: -5

DATE PRODUCED: 12 JUN 1987

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OL-A/USAFETAC/MAC/AWS
ASHEVILLE NC 28801

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY DATA (DAILY OBSERVATIONS): DATA COMPILED FROM ALL AVAILABLE OBSERVATIONS WHICH INCLUDES HOURLY OBSERVATIONS AND DAILY DATA RECORDED IN COLUMNS 66-73, AWS FORMS 10/10A.

DESCRIPTION OF SUMMARIES: PRECEEDING EACH PART OF THE RUSSWO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE MANNER OF PRESENTATION.

STANDARD 3-HOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIATIONS, WE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-83-001, "AN AID FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS" (RUSSWO).

TABLE OF CONTENTS

STATION HISTORY

PART A: WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

PART B: PRECIPITATION, SNOWFALL, AND SNOW DEPTH SUMMARIES

PART C: SURFACE WIND SUMMARIES

PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

AWMSC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPRISED OF THE WMO NUMBER WITH THE ADDITION OF A SUFFIX (C THROUGH 9). IN CASES WHERE THERE IS NO DESIGNATED WMO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WMO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS DATSAV OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

14704

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN
725068/725060	OTIS AFB MA/FALMOUTH	N 41 39	W 070 31	132	PTNH

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION NAME	TYPE OF STATION	AT THIS LOCATION		LONGITUDE	ELEVATION ABOVE SEA		MIS PER DAY
			FROM	TO		FIELD (FT)	BY RADIO	
1	Otis Fld, Massachusetts	AAF	Oct 42	Apr 44	W 070 32	125	117	24
2	Otis AFB, Massachusetts/Falmouth	AFB	Nov 48	May 53	Same	Same	119	24
3	Same	Same	Jun 53	Feb 63	Same	126	137	24
4	Same	Same	Mar 63	Feb 64	Same	132	138	24
5	Same	Same	Mar 64	Dec 70	Same	Same	Same	24
6	Same	Same	Jan 71	May 74	Same	Same	Same	24
	Deactivated 31 May 74							
	Otis Tower, MA/Falmouth	LAWRS	Jun 74	Dec 76	Same	131	Same	24
	Same	LAWRS	Jan 77	Dec 86	Same	132	Same	24
	* MSC No Chg 1 Aug 85							

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE	
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND		
1	Oct 42	Located SW section of base operations bldg.	Anemometer	None	55 ft		
2	Jan 43	Located in N half of base operations bldg.	Same	None	Same		
3	Jul 43	Located in bldg T-3111.	Same	None	Same		
4	Nov 48	Located on top of radar storm detector.	Selsyn	ML204B	65 ft		
5	Mar 54	Same	AN/GNQ-1	Same	76 ft		
6	Mar 58	Same	Same	Same	85 ft		
7	25 May 58	Located 1000 ft N of control tower in area of Tetrahedron.	AN/GNQ-1	RO-2	13 ft		
8	23 Mar 59	Located 1/4 mile from intersection of runways 75 ft on S side.	Same	Same	Same		

USAFETAC FORM 1 NOV 73 O-19 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	WT ABOVE GROUND	
9	23 May 60	Located 3/8 mile from base operations bldg.	Same	Same	Same	
10	Mar 63	1. Rnwy 05-800 ft from the end, 500 ft from the centerline. 2. Rnwy 14-400 ft from the end, 500 ft from the centerline. 3. Rnwy 23-1400 ft from the end, 500 ft from the centerline.	Same Same Same	Same Same Same	Same 12 ft 9 ft 10 1/2 ft	
11	Jun 66	1. Same 2. Same 3. Same	T755/GMQ-20 Same Same	Same RO-362	Same Same Same	
12	Mar 69	1. Same 2. Same 3. Same	Same Same Same	Same	Same 12 ft	
13	Jul 70	1. Rnwy 05-900 ft from the end, 500 ft from the centerline. 2. Rnwy 14-1700 ft from the end, 500 ft from the centerline. 3. Rnwy 23-1500 ft from the end, 500 ft from the centerline. 4. Rnwy 32-850 ft from the end, 500 ft from the centerline.	Same Same Same Same	Same Same Same Same	9 ft 10 1/2 ft 13 ft	
14	May 74	1. Same 2. Same 3. Same 4. Same	Same Same Same AN/GMQ-11-2D	Same	Same Same Same 8 ft	
15	Sep 79 Dec 86	Located/Field Same	Same	Same	Same	

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WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

WEATHER CONDITIONS SUMMARY

1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON HOURLY OBSERVATIONS.
3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ATMOSPHERIC PHENOMENA SUMMARY

1. A PERCENTAGE FREQUENCY OF DAYS SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON SUMMARY OF DAY DATA.
3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZING RAIN OR FREEZING DRIZZLE.

SNOW AND/OR SLEET. SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS. AND/OR SLEET (ICE PELLETS).

HAIL: ALL REPORTED HAIL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY APPEAR IN A SINGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG, ICE FOG AND GROUND FOG.

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, HAZE AND ANY COMBINATION THEREOF.

BLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN REPORTED.

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF. THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA VISIBILITY LESS THAN 5/8 MILES (1000 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND) AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSERVATION MAY OCCUR, THE SUM OF THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

NOTES:

1. A VALUE IN THE TABLES OF ".C" INDICATES LESS THAN .05% OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE
2. METAR STATIONS (BEGINNING IN JAN 1968) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE AWS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

GLOBAL CLIMATOLOGY BRANCH
 SAFETYAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
 MONTH: JAN

HOURS (LST)	IS TSPS	RAIN E/OP	FRZING RAIN E/OP	SNOW E/OP SLEET	HAIL	W PRECIP	FOG	SMOKE E/OP HAZE	BLOWING SNOW	DUST E/OP SAND	W/CBST TO VISION	TOTAL OBS
00-02		9.2	.4	4.6		14.0	13.2	1.2	.4		14.6	917
03-05		9.5		6.8		16.1	14.7	1.2	.2		15.5	917
06-08		8.6	.1	6.8		15.3	17.4	1.4	.5		18.3	926
09-11		8.3	.2	9.4		15.9	17.5	3.0	.5		19.8	930
12-14	.1	6.9	.2	8.3		15.2	15.7	2.4	1.2		18.4	927
15-17		10.1	.1	5.1		15.2	16.3	3.9	.2		19.4	930
18-20		9.3		6.0		14.9	15.1	2.0	.2		17.2	930
21-23		7.1	.3	6.1		15.0	13.6	1.4	.4		15.6	929
TOTALS	.0	8.6	.2	6.6		15.2	15.5	2.1	.5		17.4	7406

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
 MONTH: FEB

HOURS (LST)	IS TSPS	RAIN E/OP	FRZING RAIN E/OP	SNOW E/OP SLEET	HAIL	W PRECIP	FOG	SMOKE E/OP HAZE	BLOWING SNOW	DUST E/OP SAND	W/CBST TO VISION	TOTAL OBS
00-02		10.3	.1	6.4		16.2	18.0	1.7	.9		20.0	846
03-05	.1	9.2	.1	7.6		16.7	19.1	2.1	1.2		22.1	846
06-08		8.6	.1	7.0		15.5	20.7	2.0	1.5		23.3	846
09-11		7.8		7.4		14.8	17.6	3.1	1.1		21.3	846
12-14		9.0	.1	7.1		15.8	15.0	4.3	1.1		19.3	846
15-17		10.4	.4	5.2		15.6	16.5	3.2	.4		19.5	846
18-20	.1	11.1	.2	5.7		16.8	18.0	3.7	1.1		21.3	846
21-23	.2	9.9		5.6		15.0	16.1	3.1	1.2		18.7	846
TOTALS	.1	9.5	.1	6.5		15.6	17.6	2.9	1.1		20.7	6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANG B MA

PERIOD OF RECORD: 77-86
MONTH: MAR

HOURS (LST)	TSTMS	RAIN E/OP	FRZING RAIN E/OP	SNOW E/OP	SLEET E/OP	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OP HAZE	BLOWING SNOW	DUST E/OP SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	.5	14.3	.2	3.1			16.7	21.2	1.6	.1		22.1	929
03-05	.1	13.5		3.7			16.8	23.3	1.8	.3		24.5	930
06-08		13.3	.1	3.2			15.9	23.0	2.2	.4		24.6	930
09-11		11.9		3.8			14.8	17.7	1.7	.4		19.4	930
12-14		9.8		3.7			13.0	15.2	3.4	.3		17.4	930
15-17		12.8		3.3			15.3	15.2	2.9	.2		17.1	930
18-20		13.6	.3	2.9			15.7	19.5	2.5			20.9	929
21-23	.1	14.6	.5	2.5			16.7	20.0	2.3			21.5	929
TOTALS	.1	13.0	.1	3.3			15.6	19.4	2.3	.2		20.9	7437

STATION NUMBER: 725060 STATION NAME: OTIS ANG B MA

PERIOD OF RECORD: 77-86
MONTH: APR

HOURS (LST)	TSTMS	RAIN E/OP	FRZING RAIN E/OP	SNOW E/OP	SLEET E/OP	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OP HAZE	BLOWING SNOW	DUST E/OP SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	.2	15.7		.9			16.1	21.7	1.4	.3		23.0	900
03-05		13.0		.7			13.4	24.8	1.9	.3		26.3	900
06-08	.1	10.3		.7			10.9	22.7	2.1	.3		24.0	900
09-11		9.3		.8			10.1	15.3	2.6	.3		17.6	900
12-14		9.8		.9			10.2	13.3	2.7	.2		15.6	900
15-17	.1	11.0		.9			11.9	14.6	2.3	.3		16.6	900
18-20	.1	13.3		.8			14.0	19.6	2.6	.3		21.6	900
21-23	.3	13.6		.7			14.2	20.9	2.9	.3		23.3	900
TOTALS	.1	12.0		.8			12.6	19.1	2.3	.3		21.0	7200

GLOBAL CLIMATOLOGY RESEARCH
USAFETAC
AIR WEATHER SERVICE/MAF

STATION NUMBER: 725060 STATION NAME: OTIS ANCE MA PERIOD OF RECORD: 77-86
MONTH: MAY

HOURS (LST)	TSRPS	RAIN E/OP	FRZING RAIN E/OP	SNOW E/OP	HALE	PRECIP	FOG	SMOKE HAZE	%OR BLWING SNOW	DUST E/OP SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	.4	13.3				13.3	32.0	1.9			33.1	930
03-05	.1	11.0				11.0	36.6	3.1			28.4	930
06-08	.2	9.8		.1		9.9	31.5	5.8			25.3	930
09-11	.2	10.5				10.5	21.1	5.5			24.0	930
12-14	.2	9.7				9.7	16.3	5.9			20.3	930
15-17	.1	9.9				9.9	17.8	7.5			22.3	930
18-20	.3	11.0				11.0	25.7	8.1			30.0	930
21-23	.5	11.3				11.3	28.5	4.6			30.8	929
TOTALS	.3	10.8		.0		10.8	26.2	5.3			29.4	7439

STATION NUMBER: 725060 STATION NAME: OTIS ANCE MA PERIOD OF RECORD: 77-86
MONTH: JUN

HOURS (LST)	TSRPS	RAIN E/OP	FRZING RAIN E/OP	SNOW E/OP	HALE	PRECIP	FOG	SMOKE HAZE	%OR BLWING SNOW	DUST E/OP SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	.6	11.9				11.9	31.6	8.2			36.4	900
03-05	.6	11.3				11.3	37.4	7.0			40.3	900
06-08	.4	9.3				9.3	30.8	7.6			34.7	900
09-11	.3	8.1				8.1	21.0	10.6		.1	27.9	900
12-14	.1	9.0				9.0	17.4	15.4			29.1	900
15-17	.8	8.1				8.1	16.6	16.0			28.1	900
18-20	.6	8.9				8.9	22.7	14.7			22.0	900
21-23	.6	11.1				11.1	27.0	11.3			23.7	900
TOTALS	.6	9.7				9.7	25.6	11.4		.0	32.8	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANG B MA

PERIOD OF RECORD: 77-86
MONTH: JUL

HOURS (LST)	TSTPS	RAIN E/OR GRIZZLE	FRZING RAIN E/OR GRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	1.0	6.7				6.7	37.0	14.2			42.5	930
03-05	.8	6.3				6.3	44.2	14.2			47.7	930
06-08	.1	5.4				5.4	34.8	19.0			43.1	930
09-11	.2	4.2				4.2	19.1	18.3			29.2	930
12-14	.6	4.4				4.4	13.0	21.2			28.1	930
15-17	.9	5.3				5.3	13.3	22.6			29.5	930
18-20	.3	4.0				4.0	22.1	20.7			35.1	929
21-23	1.0	6.2				6.2	32.7	18.4			41.0	930
TOTALS	.6	5.3				5.3	27.0	18.6			37.0	7439

STATION NUMBER: 725060 STATION NAME: OTIS ANG B MA

PERIOD OF RECORD: 77-86
MONTH: AUG

HOURS (LST)	TSTPS	RAIN E/OR GRIZZLE	FRZING RAIN E/OR GRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	.5	6.5				6.5	37.7	12.3			42.4	930
03-05	1.1	7.4				7.4	42.3	9.5			44.3	930
06-08	.3	6.6				6.6	36.6	15.2			43.2	930
09-11	.2	6.8				6.8	22.2	20.3			34.8	930
12-14	1.1	6.4				6.4	17.9	22.1			32.7	929
15-17	.9	6.2				6.2	20.0	22.8			33.1	930
18-20	1.3	6.8				6.8	25.9	23.0			37.6	930
21-23	.5	6.6				6.6	33.3	16.7			29.4	930
TOTALS	.7	6.7				6.7	29.5	17.7			38.4	7439

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANG B MA PERIOD OF RECORD: 77-86
MONTH: SEP

HOURS (LST)	TSTMS	RAIN L/DRZ	FRZING	SNOW L/DRZ	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/HAZE	DUST L/SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.3	7.2				7.2	26.2	6.8		26.9	900
03-05	.6	8.2				8.2	27.6	4.8		28.7	900
06-08	.2	7.8				7.8	27.7	9.1		31.2	900
09-11		6.7				6.7	15.6	7.8		20.9	900
12-14	.1	5.4				5.4	11.1	7.7		16.9	900
15-17		6.1				6.1	12.9	9.7		20.2	900
18-20	.1	6.0				6.0	19.1	13.0		25.7	900
21-23	.3	6.4				6.4	22.9	10.0		26.4	900
TOTALS	.2	6.7				6.7	20.4	8.6		24.6	7200

STATION NUMBER: 725060 STATION NAME: OTIS ANG B MA PERIOD OF RECORD: 77-86
MONTH: OCT

HOURS (LST)	TSTMS	RAIN L/DRZ	FRZING	SNOW L/DRZ	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/HAZE	DUST L/SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.5	9.7				9.7	23.5	2.8		24.1	930
03-05	.4	8.8				8.8	24.0	3.0		25.2	930
06-08	.3	9.1				9.1	25.0	5.4		27.7	929
09-11	.1	8.8				8.8	15.6	5.6		19.7	930
12-14	.3	10.3				10.3	13.3	6.6		18.3	930
15-17	.2	10.8				10.8	16.5	6.6		21.3	930
18-20	.2	11.7				11.7	22.4	6.3		25.8	930
21-23	.5	10.4				10.4	24.4	4.3		25.5	930
TOTALS	.3	10.0				10.0	20.6	5.1		23.5	7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
MONTH: NOV

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	2 OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING E/OR SNOW	DUST E/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	.1	12.7	.1	.1		12.7	20.8	.2			20.8	900
03-05		12.2		.3		12.4	23.4	.2			23.6	900
06-08		12.5		1.0		13.1	25.8	1.7			26.3	899
09-11		12.6		.4	.1	13.0	18.9	3.3			20.6	900
12-14		12.6		.8	.1	13.2	15.9	2.7			17.6	900
15-17		12.0		.3		12.3	14.3	3.1			16.1	900
18-20		12.6		.4	.1	12.8	16.9	2.4			17.8	900
21-23	.1	13.2		.6		13.7	19.1	.9			19.2	900
TOTALS	.0	12.6		.5	.0	12.9	19.4	1.8			20.3	7199

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
MONTH: DEC

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	2 OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING E/OR SNOW	DUST E/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	.1	13.1	.1	6.0		18.0	19.8	1.3	.3		20.5	923
03-05		12.3	.3	5.3		17.1	20.2	1.1	.3		21.0	918
06-08		11.0	.1	4.7		15.4	18.9	1.2	.5		20.0	924
09-11		10.1		4.6		14.1	17.1	2.2	.8		18.8	930
12-14		11.1		3.9		14.5	17.2	2.4	.6		18.7	930
15-17		12.4		4.1		16.2	18.6	2.6	.6		21.1	930
18-20		12.0		3.5		14.9	18.4	2.2	.6		19.2	926
21-23		12.8	.1	4.7		16.7	19.5	2.1	.3		20.3	924
TOTALS	.0	11.9	.1	4.6		15.9	18.7	1.9	.5		20.0	7405

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: ALL

HOURS (LST)	TSTPS	RAIN L/GR	FRZING RAIN	SNOW L/GR	HAIL	PRECIP	FOG	SMOKE E/GR HAZE	BLOWING SNOW	DUST E/GR SAND	% OBS W/CBST TO	TOTAL OBS
JAN	ALL	.0	8.6	.2	6.6	15.2	15.5	2.1	.5		17.4	7406
FEB		.1	9.5	.1	6.5	15.8	17.6	2.9	1.1		10.7	6766
MAR		.1	13.0	.1	3.3	15.6	19.4	2.3	.2		20.9	7437
APR		.1	12.0		.8	12.6	19.1	2.3	.3		21.0	7200
MAY		.3	10.8		.6	10.6	26.2	5.3			29.4	7439
JUN		.6	9.7			9.7	25.6	11.4		.6	32.8	7200
JUL		.6	5.3			5.3	27.0	18.6			37.0	7439
AUG		.7	6.7			6.7	29.5	17.7			38.4	7439
SEP		.2	6.7			6.7	20.4	8.6			24.6	7200
OCT		.3	10.0			10.0	20.6	5.1			23.5	7439
NOV		.0	12.6		.5	12.9	19.4	1.8			20.3	7199
DEC		.6	11.9	.1	4.6	15.9	18.7	1.9	.5		10.0	7405
TOTALS		.3	9.7	.0	1.9	11.4	21.6	6.7	.2	.0	25.5	87571

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

PERIOD OF RECORD: 48-74, 81-86
MONTH: ALL

STATION NUMBER: 725060 STATION NAME: OTIS ANG8 MA

MONTH	TSFS	RAIN	FRZING	SNO#	HAIL	W/ OBS PRECIP	FOG	SMOKE	W/ OR BLOWING HAZE	SAND	W/ CBST TO VISION	TOTAL OBS
JAN	.5	34.6	2.6	33.8		55.0	45.3	24.6	4.4		53.5	951
FEB	.8	34.9	2.9	37.9		57.5	47.2	23.1	5.9		54.3	875
MAR	3.3	41.4	2.7	26.7	.2	54.1	47.9	19.0	3.3		53.0	961
APR	3.9	53.4	.1	8.9	.1	55.6	50.6	19.1	.2		53.3	928
MAY	8.0	53.5		.1	.1	53.6	55.9	30.5			51.3	961
JUN	6.6	47.2			.1	47.2	65.7	46.7			71.6	900
JUL	10.5	45.4			.5	45.4	69.6	54.1			74.6	930
AUG	11.1	44.0				44.0	65.3	52.8			71.6	930
SEP	4.9	41.1				41.1	56.7	38.4			51.3	900
OCT	2.3	42.0	.1	1.0		42.3	49.4	31.2			55.2	930
NOV	1.6	50.8		7.0		53.2	49.8	20.5	.4		53.9	916
DEC	.7	43.2	2.4	27.9		55.1	46.6	20.8	3.1		53.5	992
TOTALS	4.7	44.3	.9	11.9	.1	50.3	54.2	31.7	1.4		59.8	11174

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PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

PERCENTAGE FREQUENCY OF VARIOUS DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES:

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASURABLE AMOUNTS, A PERCENT OF DAYS WITH NO AMOUNTS, TRACES, GIVEN AMOUNTS, MEANS, GREATEST AMOUNTS AND LEAST AMOUNTS (THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW DEPTH SUMMARY BECAUSE OF THEIR DOUBTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

A VALUE OF ".0" IN THESE TABLES INDICATES LESS THAN .05% WHICH USUALLY INDICATES ONLY ONE OCCURRENCE.

EXTREME DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA

PRESENTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION, SNOWFALL AND SNOW DEPTH BY INDIVIDUAL MONTH AND YEAR.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATIONS COUNTS.

AN ASTERISK "*" PRINTED IN THE TABLES INDICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH DERIVES FROM AN INCOMPLETE MONTH (AT LEAST ONE DAY OF THE MONTH IS MISSING).

WHEN A MONTH HAS VALID OBSERVATIONS REPORTED BUT NO OCCURRENCES, ZEROS ARE DISPLAYED IN THE TABLES:

EXTREME DAILY PRECIPITATION: ".00" EQUALS NONE FOR THE MONTH (HUNDREDTHS)

EXTREME DAILY SNOWFALL: ".0" EQUALS NONE FOR THE MONTH (TENTHS)

EXTREME DAILY SNOW DEPTH: "0" EQUALS NONE FOR THE MONTH (HOLE INCHES)

TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTERISK "*" IN THE TABLES INDICATES THAT ONE OR MORE DAYS WERE MISSING FOR THE MONTH.

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 42-44, 44-74, 81-86

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MONTH	NO.	TRACE	IN TO	OUT TO	IN TO	OUT TO	IN TO	OUT TO	IN TO	OUT TO	OVER TO	% DAYS WITH MEAS	MONTHLY AMOUNTS			
													MEAN	GREATEST LEAST		
JAN	44.2	17.7	2.0	5.2	6.4	5.6	2.2	.1				37.7	1023	3.92	8.09	1.00
FEB	42.2	14.2	2.1	7.0	6.9	5.9	3.3					39.6	932	4.13	6.57	1.32
MAR	44.2	17.3	2.4	6.3	6.4	5.2	3.3	.4				38.5	1023	4.66	11.56	1.86
APR	43.4	16.2	2.1	7.4	6.1	5.4	2.7	.6				38.3	986	4.37	9.31	.81
MAY	45.2	17.5	2.7	5.6	7.2	4.3	3.5	.4				37.0	992	3.89	10.52	.96
JUN	37.6	16.1	2.2	5.2	4.1	3.8	3.6	.2				29.4	930	3.07	12.65	.02
JUL	34.4	15.3	3.1	5.1	3.7	3.7	2.5	.2				26.3	961	3.17	8.49	.03
AUG	56.1	13.0	2.5	6.7	4.6	4.0	3.4	.5				30.9	961	4.25	12.22	.64
SEP	58.1	16.1	3.2	4.2	3.9	3.4	2.5	.6	.1			25.7	930	3.52	13.74	.16
OCT	67.4	14.6	2.7	6.4	2.6	4.1	2.9	.3				28.0	961	3.64	10.13	1.11
NOV	46.5	12.2	3.3	5.4	4.7	5.8	4.4	.4				41.3	946	5.00	8.61	1.49
DEC	45.3	13.0	2.9	6.3	6.9	5.9	3.4	.3				41.7	1051	4.61	6.95	.99
ANNUAL	49.2	16.3	2.7	6.3	4.4	5.5	3.0	.3	.0			34.5	11698		41.23	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PHC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725050 STATION NAME: OTIS ANG R MA

PERIOD OF RECORD: 42-44, 48-74, 81-86

24 HOUR AMOUNTS IN INCHES

-M-0-N-I-H-S-

ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MONTHS
42	1.22	.77	1.56	1.02	.74	.57	1.45	2.52	1.11	.97	1.15	.39	2.52
43	2.15	.82	1.98	*3.50								.73	
44													
48											*.77	.63	
49	1.15	1.18	1.02	.52	1.14	.02	.44	.47	.90	.68	1.17	.56	1.18
50	.53	1.42	1.70	*1.63	1.81	1.04	1.23	2.02	1.05	1.06	1.76	1.88	2.02
51	.73	.32	.74	1.15	1.38	.59	.61	2.02	.69	.70	1.37	1.72	2.02
52	.75	1.63	1.36	.91	1.13	.44	.02	4.00	2.90	.89	1.22	1.96	4.00
53	1.81	1.37	1.62	1.36	.98	.47	2.02	3.26	2.03	1.87	2.72	2.03	3.26
54	.81	1.20	1.39	1.57	2.50	1.35	.81	2.32	2.50	.67	1.16	1.58	2.50
55	.40	1.95	1.16	.97	.42	.51	1.81	3.28	1.12	1.31	1.41	.30	3.28
56	1.11	.94	2.11	.97	1.25	1.39	1.58	1.69	1.22	1.77	.99	1.24	2.11
57	.95	.45	1.55	.62	.42	.03	.40	1.61	1.20	.83	1.38	.79	1.61
58	1.88	1.53	1.54	1.95	1.18	.61	.65	2.45	2.15	.82	1.25	.49	2.45
59	.95	1.56	1.28	.63	1.38	1.05	3.85	.72	.05	2.50	.86	.74	3.85
60	.94	2.14	2.13	2.15	.95	.63	1.30	.48	4.57	.96	1.01	2.85	4.57
61	1.31	1.27	1.12	1.55	2.46	.54	2.46	1.68	3.13	2.45	2.90	1.27	3.13
62	2.71	1.51	1.51	3.50	.76	2.19	1.27	2.16	3.11	2.67	1.47	.96	3.50
63	1.17	2.20	2.09	3.03	2.85	.30	1.89	1.19	1.74	1.45	1.12	.79	3.03
64	1.23	1.13	.82	2.24	.53	.22	2.24	.55	1.29	3.07	.47	1.17	3.07
65	.98	.89	.08	1.94	.42	1.15	.20	.95	1.31	.83	.63	1.13	1.94
66	.89	1.49	.64	.38	3.16	1.40	.30	.62	2.12	1.04	2.34	.82	3.16
67	.88	.87	3.00	2.09	3.37	2.39	.64	2.00	1.16	.51	1.49	1.50	3.37
68	.65	.35	4.65	.95	1.81	1.78	.35	1.40	.46	.69	1.64	1.21	4.65
69	.40	1.40	2.86	1.15	.29	.72	.53	.44	2.62	1.48	2.43	2.24	2.86
70	.41	2.10	1.63	2.62	.94	1.16	2.03	.94	.82	3.17	2.57	1.79	3.17
71	1.25	2.27	.83	.97	1.20	.24	.63	.95	.34	1.79	1.75	.63	2.27
72	.89	1.77	1.67	2.24	1.63	4.85	.79	.80	3.63	.99	2.54	1.33	8.63
73	1.31	1.51	.65	2.83	2.15	1.36	2.34	2.17	1.19	2.14	.85	2.87	2.87
74	.80	.71	1.07	1.57	.85								

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/PAAC

STATION NUMBER: 725000 STATION NAME: OTIS ANGE MA

PERIOD OF RECORD: 42-44, 48-74, 81-86

24 HOUR AMOUNTS IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
81	1.12	.69	.48	1.06	1.37	1.25	.83	1.00	1.73	1.75	1.22	1.19	1.75
82	.75	1.34	1.09	2.74	1.38	1.15	.93	2.12	.84	2.09	2.02	1.35	2.78
83	.80	1.29	2.05	1.61	2.06	5.37	1.65	.20	.36	1.01	.54	.92	5.37
84	.54	.61	2.15	.36	1.21	.78	.69	3.37	.42	.66	1.29	.34	3.37
85	1.54	.73	1.02	.63	.93	1.35	3.14	1.83	.81	1.93	1.57	2.62	3.14
86	1.076	1.302	1.146	1.557	1.395	1.126	1.274	1.652	1.728	1.444	1.493	1.273	3.114
MEAN	.523	.494	.633	.819	.802	1.002	.904	.985	1.629	.760	.646	.704	1.316
TOTAL OBS	1023	932	1023	984	992	930	961	961	930	961	946	1151	11698

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 42-44, 46-74, 81-86

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42	4.13	2.14	4.19	3.70	4.21	1.36	4.24	3.77	3.34	3.64	2.53	1.31	38.56
43	3.35	2.39	4.67	4.85								2.63	
44													
45	3.96	4.55	4.33	3.54	3.76	.02	1.07	1.59	2.63	1.58	3.46	2.12	33.39
46	3.58	4.37	4.25	3.55	3.60	1.93	2.49	5.67	3.05	1.63	7.34	4.40	46.16
47	2.78	3.36	3.58	2.56	3.84	1.21	1.76	4.93	1.68	2.63	5.18	5.24	38.77
48	5.26	6.51	3.30	2.30	3.59	1.58	.03	8.55	3.86	1.11	2.06	3.99	42.13
49	7.77	4.60	7.45	5.86	2.58	.51	4.85	5.04	4.25	5.56	7.31	5.79	61.57
50	4.88	3.61	3.26	3.20	4.93	2.93	1.83	6.39	4.41	2.04	6.15	8.64	52.27
51	1.00	4.16	4.18	4.69	1.16	1.87	2.14	12.22	3.65	4.38	5.28	.99	45.72
52	4.51	4.37	7.80	2.82	3.42	2.29	5.11	2.78	2.70	3.47	3.15	6.56	48.98
53	3.48	1.48	4.64	3.97	1.21	.05	1.76	4.15	1.85	2.31	5.59	4.70	35.19
54	8.59	4.14	3.32	9.31	4.67	2.40	2.76	6.91	4.89	2.80	4.30	2.05	55.64
55	1.69	4.07	6.18	3.96	2.62	5.61	6.92	2.65	.16	6.11	4.30	4.31	48.58
56	3.76	6.57	4.10	4.08	3.39	1.64	4.08	1.03	7.46	2.01	3.35	7.85	49.32
57	4.77	3.30	3.85	6.90	6.21	1.56	5.68	3.84	5.55	9.32	5.26	4.06	60.30
58	5.44	6.44	1.86	6.36	1.42	7.18	1.95	4.88	5.99	10.13	6.12	4.31	62.10
59	5.20	5.07	5.91	4.44	7.53	1.10	3.50	3.19	5.10	2.04	5.52	3.58	52.28
60	5.41	4.98	2.29	6.62	.88	.84	5.43	1.49	4.80	6.24	1.49	6.15	46.62
61	4.83	2.33	2.00	3.62	1.64	2.15	.70	3.02	2.18	1.93	2.46	2.01	28.87
62	4.69	3.52	2.45	1.38	7.17	2.01	.99	2.15	6.38	3.45	5.36	2.85	42.38
63	3.00	2.97	5.57	5.93	10.52	3.17	3.17	5.82	2.40	1.75	5.52	6.15	55.97
64	2.66	1.32	11.56	1.62	3.89	7.72	.72	2.25	.77	1.68	5.95	5.10	45.24
65	1.19	4.76	4.90	4.33	1.33	1.38	1.93	1.31	4.17	2.15	8.81	8.08	44.36
66	1.24	5.27	5.27	3.47	1.94	3.66	2.24	5.56	2.17	4.08	5.89	4.80	45.59
67	4.27	6.26	2.82	3.08	4.95	.55	1.34	2.04	.52	2.16	5.51	2.71	36.21
68	2.89	5.30	7.81	6.01	5.87	12.65	1.91	1.96	13.74	3.94	8.42	6.89	77.39
69	2.58	5.75	3.00	8.38	5.20	3.13	8.49	3.31	2.90	4.96	2.89	8.95	59.54
70	5.53	3.64	3.33	3.70	5.02								

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE.....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

PERIOD OF RECORD: 42-44, 48-74, 81-86

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
81													
82	4.96	2.35	2.78	3.70	1.90	6.18	2.11	2.92	3.19	3.65	4.50	4.22	44.96
83	2.39	5.25	9.04	6.38	2.63	2.57	1.54	5.57	1.38	7.24	7.57	5.88	59.64
84	3.28	5.69	7.51	4.41	5.42	5.95	6.50	.64	1.43	2.98	1.66	3.40	48.93
85	1.41	1.71	3.39	.61	5.02	3.53	3.14	11.19	1.32	1.80	4.85	1.33	39.50
86	5.38	3.37	3.21	2.47	2.89	4.35	7.91	4.99	1.19	4.00	7.33	8.38	55.46
MEAN	3.922	4.133	4.661	4.375	3.893	3.527	3.173	4.252	3.520	3.638	5.004	4.107	48.515
S.D.	1.717	1.430	2.213	2.075	2.141	2.801	2.218	2.754	2.624	2.245	1.947	2.148	10.364
TOTAL OBS	1023	932	1023	988	992	930	961	961	930	961	946	1051	11698

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL
FROM SUMMARY OF DAY DATA

STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 42-44, 48-74, 81-

STATION NUMBER: 725060

MONTH	AMOUNTS IN INCHES												2 DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS	MEAN	GREATEST LEAST
	0.1 TO	0.5 TO	1.5 TO	2.5 TO	3.5 TO	4.5 TO	6.5 TO	10.5 TO	15.5 TO	25.5 TO	OVER 50.4	50.4 TO					
JAN	66.3	17.9	4.7	5.5	1.9	1.2	.9	.7	.8	.2	.1		15.8	1023	5.1	34.8	TRACE
FEB	62.7	20.3	3.8	6.2	1.8	1.8	.4	1.8	.9	.3			17.1	932	10.6	30.0	TRACE
MAR	73.0	16.6	2.5	3.4	1.3	.8	1.1	.6	.4	.1	.2		10.4	1023	7.4	38.1	TRACE
APR	91.0	6.9	1.0	.3	.3	.2		.2		.1			2.1	986	1.3	11.2	.0
MAY	99.9	.1												992	TRACE	TRACE	.0
JUN	100.0													929	.0	.0	.0
JUL	100.0													961	.0	.0	.0
AUG	100.0													961	.0	.0	.0
SEP	100.0													930	.0	.0	.0
OCT	99.1	.7	.1		.1								.2	992	.1	2.0	.0
NOV	92.9	5.8	.4	.4									1.3	946	.4	3.7	.0
DEC	72.7	14.9	4.0	3.2	2.4	1.2	.5	.6	.2	.1	.2		12.4	1051	7.1	29.0	TRACE
ANN	88.1	6.9	1.4	1.6	.7	.4	.2	.3	.2	.1	.0		4.9	11726	36.0		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/NAVC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

PERIOD OF RECORD: 42-44, 48-74, 81-86

STATION NUMBER: 725000 STATION NAME: OTIS ANGR MA

24 HOUR AMOUNTS IN INCHES
-M-O-N-T-H-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42	7.5	1.0	4.0	*TRACE	.0	*.0	.0	.0	.0	.0	TRACE	2.0	7.5
43	.1	4.8	4.3	*.4									
44													
45	7.0	3.0	3.9	TRACE	.0	.0	.0	.0	.0	.0	1.0	1.2	3.9
46													
47	3.0	4.4	1.3	*TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.0	4.4
48	.8	9.0	1.5	.0	.0	.0	.0	.0	.0	.0	TRACE	1.8	9.0
49	3.8	6.7	1.6	.0	.0	.0	.0	.0	.0	.0	TRACE	.1	6.3
50	2.5	3.0	.2	5.7	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.7
51	8.0	.4	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	13.0	13.0
52	1.7	2.4	1.0	5.9	.0	.0	.0	.0	.0	.0	1.9	2.2	5.9
53	9.0	2.0	20.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	7.2	20.0
54	4.6	3.0	7.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.4	7.2
55	.6	10.0	7.4	3.2	.0	.0	.0	.0	.0	.0	TRACE	4.8	10.0
56	.6	1.1	5.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	4.4	5.0
57	3.7	2.8	21.3	TRACE	.0	.0	.0	.0	.0	TRACE	.0	17.6	21.3
58	16.7	12.7	5.4	.3	.0	.0	.0	.0	.0	TRACE	TRACE	2.6	16.7
59	.9	7.1	.1	.7	.0	.0	.0	.0	.0	.3	TRACE	4.0	7.1
60	1.2	1.2	3.0	TRACE	.0	.0	.0	.0	.0	.0	.0	1.4	5.4
61	13.0	7.5	1.4	.0	.0	.0	.0	.0	.0	.0	TRACE	5.6	13.0
62	10.5	1.2	.9	.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	10.5
63	4.6	5.0	4.4	TRACE	.0	.0	.0	.0	.0	.0	.0	2.4	5.6
64	TRACE	14.0	4.2	1.5	.0	.0	.0	.0	.0	.0	2.4	4.5	14.0
65	4.4	3.0	1.2	.0	.0	.0	.0	.0	.0	.0	TRACE	3.4	4.4
66	.3	5.4	11.2	TRACE	.0	.0	.0	.0	.0	TRACE	.1	2.7	11.2
67	6.9	5.0	9.0	TRACE	.0	.0	.0	.0	.0	TRACE	.0	17.3	17.3
68	9.8	1.3	1.0	3.0	.0	.0	.0	.0	.0	TRACE	1.7	3.0	9.8
69	1.2	3.0	.5	.4	.0	.0	.0	.0	.0	TRACE	.0	3.2	3.2
70	1.6	9.5	4.2	2.0	.0	.0	.0	.0	.0	.0	.0	TRACE	9.5
71	7.9	5.7	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	

NOTE * (BASED ON LESS THAN FULL MONTHS)

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GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAJ

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725060 STATION NAME: OTIS ANG AIR MA

PERIOD OF RECORD: 42-44, 48-74, 81-86

24 HOUR AMOUNTS IN INCHES

-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
81													
82	5.1	3.0	.8	10.7	.0	.0	.0	.0	.0	.0	TRACE	3.8	15.7
83	.5	10.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.6	10.8
84	2.8	TRACE	7.0	.4	.0	.0	.0	.0	.0	.0	.1	TRACE	7.0
85	4.0	6.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.4	.7	6.1
86	.6	3.6	.7	TRACE	TRACE	.0	.0	.0	.0	.0	.8	2.0	3.6
MEAN	4.26	4.85	3.92	1.12	TRACE	.00	.00	.00	.00	.07	.31	4.06	9.42
S.D.	4.106	3.554	5.152	2.424	.000	.000	.000	.000	.000	.356	.657	4.354	4.873
TOTAL OBS	1023	932	1723	986	992	929	961	961	930	992	946	1051	11726

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 735063 STATION NAME: OTIS ANG B MA PERIOD OF RECORD: 42-44, 48-74, 81-86

TOTAL MONTHLY SNOWFALL IN INCHES

-M-J-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42													
43	8.3	2.6	4.1	*TRACE	.0	*.0	.0	.0	.0	.0	TRACE	2.1	*17.1
44	.1	6.2	5.4	5.4									5.5
48													
49	5.5	7.8	4.4	TRACE	.0	.0	.0	.0	.0	.0	*.0	7.6	19.9
50	5.1	9.2	1.4	*TRACE	.0	.0	.0	.0	.0	.0	TRACE	5.2	*20.7
51	1.2	15.5	1.5	.0	.0	.0	.0	.0	.0	.0	TRACE	2.7	20.9
52	13.0	19.9	2.6	.0	.0	.0	.0	.0	.0	.0	TRACE	.1	32.6
53	3.7	5.4	.2	5.7	.0	.0	.0	.0	.0	.0	TRACE	TRACE	15.0
54	23.4	.4	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	25.9	49.7
55	2.7	5.2	3.5	5.5	.0	.0	.0	.0	.0	.0	3.7	4.8	25.8
56	11.8	2.1	35.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	5.8	57.8
57	13.8	4.2	18.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.6	40.0
58	1.0	17.5	5.7	5.7	.0	.0	.0	.0	.0	.0	TRACE	5.6	39.5
59	1.4	2.6	12.9	TRACE	.0	.0	.0	.0	.0	.0	TRACE	6.8	23.7
60	8.0	4.1	34.5	TRACE	.0	.0	.0	.0	.0	TRACE	.0	24.9	71.5
61	24.5	12.7	10.0	.3	.0	.0	.0	.0	.0	TRACE	TRACE	5.1	52.6
62	2.0	23.3	.1	.7	.0	.0	.0	.0	.0	.3	TRACE	7.1	33.1
63	2.5	1.5	2.2	TRACE	.0	.0	.0	.0	.0	2.0	.0	17.6	32.2
64	22.7	26.5	2.4	.0	.0	.0	.0	.0	.0	.0	TRACE	11.0	62.6
65	34.8	3.5	2.7	.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	41.5
66	13.3	8.1	6.3	TRACE	.0	.0	.0	.0	.0	.0	.0	3.0	30.7
67	TRACE	30.0	15.2	1.7	.0	.0	.0	.0	.0	.0	2.4	6.3	55.6
68	10.0	7.2	1.3	.0	.0	.0	.0	.0	.0	.0	TRACE	3.8	22.3
69	.9	16.5	16.8	TRACE	.0	.0	.0	.0	.0	TRACE	.1	14.4	48.7
70	15.3	9.5	19.2	TRACE	.0	.0	.0	.0	.0	TRACE	.0	25.0	73.0
71	16.5	2.2	1.0	4.3	.0	.0	.0	.0	.0	.0	2.2	5.5	31.7
72	2.5	12.0	2.5	1.0	.0	.0	.0	.0	.0	TRACE	.3	5.2	24.1
73	2.0	28.4	6.7	2.0	.0	.0	.0	.0	.0	.0	.0	TRACE	39.9
74	22.7	16.5	TRACE	TRACE	.0								

NOTE * (BASED ON LESS THAN FULL MONTHS)

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725063 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 42-44, 48-74, 81-86

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MONTHS
81	15.1	4.9	1.5	11.2	.0	.0	.0	.0	.0	.0	TRACE	11.8	44.5
82	.6	23.7	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.6	26.1
83	7.5	TRACE	16.5	.4	.0	.0	.0	.0	.0	.0	.1	TRACE	24.3
84	11.1	10.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.4	1.0	23.8
85	.8	9.9	.5	TRACE	TRACE	.0	.0	.0	.0	.0	.8	3.6	15.6
86													
MEAN	9.15	10.62	7.38	1.29	TRACE	.00	.00	.00	.00	.07	.39	7.15	37.20
S.D.	8.824	8.555	9.520	2.641	.000	.000	.000	.000	.000	.356	.882	7.570	16.162
TOTAL OBS	1023	932	1023	986	992	929	961	961	930	992	946	1051	11728

NOTE * (BASED ON LESS THAN FULL MONTHS)

AIR-TEATHER SERVICE/HAC

PERIOD OF RECORD: 42-44, 48-74, 81-

STATION NAME: OTIS ANGE MA

STATION NUMBER: 725060

MONTH	TRACE	AMOUNTS IN INCHES												61 TO 120	OVER 120	2 DAYS WITH MEAS. AMTS.	TOTAL OBS.	MONTHLY AMOUNTS
		1	2	3	4	5	6	7	8	9	10	11	12					
		1	2	3	4	5	6	7	8	9	10	11	12					
JAN	63.5	9.3	7.2	5.9	3.5	5.4	3.3	1.9								27.2	1023	
FEB	58.6	11.2	6.9	5.0	5.4	4.7	4.0	2.3								30.3	932	
MAR	80.3	4.9	3.7	1.7	1.2	3.1	3.4	1.1	.7							14.9	1023	
APR	90.5	1.3	.5	.4		.3	.2									1.4	988	
MAY	103.0																992	
JUN	100.0																930	
JUL	100.0																961	
AUG	103.0																961	
SEP	100.0																930	
OCT	99.9		.1													.1	992	
NOV	98.6	.8	.4	.1												.5	946	
DEC	77.8	4.7	5.3	5.2	1.9	2.9	2.0	.3								17.5	1053	
ANN	89.6	2.7	2.2	1.5	1.7	1.4	1.1	.5								7.7	11731	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725000 STATION NAME: OTIS ANG R MA

PERIOD OF RECORD: 42-44, 48-74, 81-86

DAILY SNOW DEPTH IN INCHES
M-D-N-Y-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MONTHS
42	8	7	3	TRACE	0	0	0	0	0	0	0	6	6
43	2	3	7	7	0	0	0	0	0	0	0	1	8
44	2	3	7	7	0	0	0	0	0	0	0	1	8
45	3	3	3	3	3	3	3	3	3	3	3	3	3
46	3	3	3	3	3	3	3	3	3	3	3	3	3
47	3	3	3	3	3	3	3	3	3	3	3	3	3
48	3	3	3	3	3	3	3	3	3	3	3	3	3
49	3	3	3	3	3	3	3	3	3	3	3	3	3
50	3	3	3	3	3	3	3	3	3	3	3	3	3
51	3	3	3	3	3	3	3	3	3	3	3	3	3
52	3	3	3	3	3	3	3	3	3	3	3	3	3
53	3	3	3	3	3	3	3	3	3	3	3	3	3
54	3	3	3	3	3	3	3	3	3	3	3	3	3
55	3	3	3	3	3	3	3	3	3	3	3	3	3
56	3	3	3	3	3	3	3	3	3	3	3	3	3
57	3	3	3	3	3	3	3	3	3	3	3	3	3
58	3	3	3	3	3	3	3	3	3	3	3	3	3
59	3	3	3	3	3	3	3	3	3	3	3	3	3
60	3	3	3	3	3	3	3	3	3	3	3	3	3
61	3	3	3	3	3	3	3	3	3	3	3	3	3
62	3	3	3	3	3	3	3	3	3	3	3	3	3
63	3	3	3	3	3	3	3	3	3	3	3	3	3
64	3	3	3	3	3	3	3	3	3	3	3	3	3
65	3	3	3	3	3	3	3	3	3	3	3	3	3
66	3	3	3	3	3	3	3	3	3	3	3	3	3
67	3	3	3	3	3	3	3	3	3	3	3	3	3
68	3	3	3	3	3	3	3	3	3	3	3	3	3
69	3	3	3	3	3	3	3	3	3	3	3	3	3
70	3	3	3	3	3	3	3	3	3	3	3	3	3
71	3	3	3	3	3	3	3	3	3	3	3	3	3
72	3	3	3	3	3	3	3	3	3	3	3	3	3
73	3	3	3	3	3	3	3	3	3	3	3	3	3
74	3	3	3	3	3	3	3	3	3	3	3	3	3

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GLOBAL CLIMATOLOGY BRANCH
 USAFLIAC
 AIR WEATHER SERVICE/WHC

EXTREME VALUES OF SNOW DEPTH
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 72500F STATION NAME: OTIS ANGEL MA

PERIOD OF RECORD: 42-44, 46-74, 81-86

DAILY SNOW DEPTH IN INCHES

-M-O-R-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MONTHS
81													ALL
82	6		1	11	0	0	0	0	0	0	0	0	11
83	TRACE	1		0	0	0	0	0	0	0	0	0	15
84	TRACE	TRACE	7	0	0	0	0	0	0	0	0	0	7
85	3	4	TRACE	0	0	0	0	0	0	0	TRACE	1	8
86	1	4	TRACE	0	0	0	0	0	0	0	TRACE	1	9
MEAN	5.2	6.1	5.5	7.7	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	
S.D.	5.710	5.000	6.747	7.234	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	
TOTAL OBS	1023	432	1023	582	997	930	961	961	930	992	946	1053	11731

NOTE * (BASED ON LESS THAN FULL MONTHS)

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SURFACE WIND SUMMARIES

EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIDUAL MONTH AND YEAR WITH ALL YEARS COMBINED.

SPEEDS PRESENTED IN KNOTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968. COMMENCING JULY 1968 DIRECTIONS PRESENTED IN TERMS OF DEGREES.

AN ASTERISK "*" IN THE TABLES INDICATES THAT THE VALUE IS BASED ON AN INCOMPLETE MONTH OF THREE OR MORE MISSING DAYS.

MEANS AND STANDARD DEVIATIONS PRESENTED DO NOT INCLUDE INCOMPLETE MONTHS. FOUR OR MORE MONTHS ARE NEEDED TO COMPUTE THESE STATISTICS AND INCOMPLETE MONTHS ARE NOT INCLUDED.

TABLES ALSO INCLUDE THE OBSERVATION COUNTS.

BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IN GIVEN FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY LIMITATIONS: WHEN VISIBILITIES EQUAL TO OR GREATER THAN 1 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN THE CEILING IS EQUAL TO OR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF "0.0" IN THESE TABLES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .05%.

GLOBAL CLIMATELOGY BRANCH
CAPETOWN
AIR WEATHER SERVICE/WHC

EXTREME VALUES OF SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 75000 STATION NAME: TUS ANDER MA

PERIOD OF RECORD: 51-52, 58-74, 86

DAILY WIND GUSTS IN KNOTS
-W-D-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
51	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
52	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
53	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
54	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
55	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
56	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
57	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
58	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
59	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
60	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
61	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
62	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
63	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
64	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
65	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
66	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
67	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
68	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
69	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
70	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
71	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
72	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
73	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
74	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
86	NNE 56	NNE 54	NNE 48	ESE 41	ESE 45	NNE 32	SW 38	SW 38	SSW 33	SSW 32	SSW 44	WSW 37	SW 51
MEAN	45.4	46.4	46.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
ST.D.	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274
TOTAL OBS	5271	4311	4311	4311	4311	4311	4311	4311	4311	4311	4311	4311	4311

VALUES BASED ON LESS THAN FULL MONTHS
BASED ON LESS THAN FULL MONTHS AND +100 KNOTS

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR FATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(IST): 0300-0500

DIRECTION (DEGREES) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN WIND

	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	.4	.3	2.2	.7	.3							5.9	7.9
NNE		.7	.6	1.3	.2	.1						2.8	12.6
NE	.1	.5	.9	.9	.8							3.2	11.6
ENE		.7	1.0	.3	.2							2.2	9.3
E	.2	.4	.3	.7								1.6	8.3
ESE	.1	.5	.2	.7	.1							1.6	9.7
SE	.1	.3	.7	.5	.2	.3						2.2	12.3
SSE	.2	.2	.1	.3	.1	.3						1.3	13.0
S		.7	.4	.1	.5							1.7	11.3
SSW		.7	.4		.2	.2						1.2	12.6
SW	.1	.6	.3	.4	.2							1.6	9.8
WSW	.2	.3	1.6	1.7	.4							4.4	11.2
W	.1	5.1	4.0	7.7	2.1	.2						13.2	11.1
WNW	.1	4.1	4.7	2.8	1.1							12.9	9.6
NW	.4	4.3	5.1	3.9	.8							12.5	10.0
NNW	.3	3.3	4.7	2.7	.2							11.2	8.7

VARIABLE

CALM

TOTALS

2.5	26.0	27.5	20.8	7.6	1.2	20.4	8.1
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TOTAL NUMBER OF OBSERVATIONS: 917

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725062 STATION NAME: OTIS ANCH MA PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(LST): 0600-0800

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
WIND SPEED IN KNOTS													
N	.4	1.6	2.8	1.4	.2							6.4	8.7
NNE		.2	.5	.6	1.0							2.4	13.6
NE		.4	.5	.5	.6	.1						2.3	12.9
NNE		.2	1.2	.5	.1							2.1	10.6
E	.3	.2	1.2	.5	.1							2.4	9.2
ESE		.4	.9	.3		.1						1.7	10.4
SE	.3	.9	.5	.4	.1							2.3	8.2
SSE		.4	.6	.3	.1	.3						1.8	12.1
S		.9	1.2	.2	.3							2.6	8.8
SSW	.1	.2	.3	.1	.2	.2						1.3	13.8
SW		.2	.6	.6	.4		.1					2.1	13.7
WSW	.2	.8	1.0	1.2	.4							3.6	10.7
W	.6	3.8	4.2	2.3	2.3	.2						14.6	10.5
WNW	.2	3.6	4.0	2.4	1.3							11.4	9.8
NW	.5	2.4	5.4	3.7	.8							12.7	9.8
NNW	.2	3.4	4.4	2.7	.1							11.2	8.8

VARIABLE													
CALM	////////////////	////////////////	////////////////	////////////////	////////////////	////////////////	////////////////	////////////////	////////////////	////////////////	////////////////	19.2	////
TOTALS	3.0	19.9	26.6	10.0	8.1	1.2	.1					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/ETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANG B MA

PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	.3	2.5	2.4	2.7	.2	.1						8.2	9.3
NNE	.1	.5	1.0	.9	1.5							3.9	13.1
NE		.2	.4	1.1	.4							2.2	13.2
ENE		.4	.6	.3	.3	.2						2.4	12.7
E	.1	.9	.6	.9	.1							2.6	9.2
ESE	.2	.3	.6	.9	.2							2.2	10.4
SE	.1	.5	.5	.3	.3							1.8	9.6
SSE	.2	1.1	.5	1.3	.2							3.3	9.7
S		.6	1.4	.5	.2							2.8	9.9
SSW		.5	.2	.3	.3		.3					1.7	14.3
SW	.1	.3	1.0	1.1	.9	.1	.1					3.4	13.4
WSW	.1	.9	1.5	1.7	.6	.1						4.9	11.7
W	.2	2.5	4.9	5.2	2.5							15.3	.3
WNW	.2	2.4	4.2	4.8	1.9	.1						13.7	11.3
NW	.5	1.5	3.2	3.7	1.9							10.9	11.4
NNW		1.1	5.7	4.6	.6							12.0	10.8

VARIABLE

CALM

TOTALS

9.8
100.0

TOTAL NUMBER OF OBSERVATIONS: 750

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANCH MA

PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56
N	.3	1.1	3.0	2.0	.9						7.3 10.9
NNE		.5	2.0	1.5	.4	.1					5.0 11.3
NE	.2	.9	1.6	1.7	.4	.2	.1				5.1 11.6
ENE		.8	.3	.6	.1	.5					2.4 12.6
E	.1	.6	.5	.4	.2						1.9 9.5
ESE	.1	.5		1.5	.1	.2					2.6 13.2
SE	.3	.2	.6	.8	.1						2.0 10.2
SSE		.2	.3	.4	.5						1.6 12.8
S	.2	1.2	1.7	1.0	.6						4.7 10.0
SSW		.9	1.1	1.1	.2	.1					3.3 10.9
SW		.1	.9	2.0	1.0	.2					4.3 14.6
WSW		.6	1.5	2.5	1.2	.2	.1				6.0 13.1
W		1.1	7.2	7.4	1.9	.6					18.3 12.3
WNW	.1	1.7	4.3	4.5	1.8	.2					12.2 11.7
W		1.3	4.3	2.5	1.9	.2					10.6 12.1
NNW	.1	.4	2.5	3.5	.8						7.2 11.7

VARIABLE											
CALM											5.3
TOTALS	1.5	12.1	52.0	33.7	12.3	2.5	.7				100.0 11.2

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N		2.4	2.5	1.6	.2	.1					6.8	8.9
NNE	.4	1.2	1.2	1.1	.4	.1					4.4	9.3
NE	.1	1.6	1.5	1.1	.4	.3					5.1	10.6
ENE	.1	1.0	1.1		.1		.1				2.4	8.2
E	.8	1.1	.6	.5	.1	.3					3.7	8.8
ESE		.4	.4	.8	.5	.1					2.3	12.6
SSE	.1	.2	.6	.6	.2						1.8	11.2
S		1.0	.4	.4	.3						2.2	9.3
SSW	.2	.6	1.1	1.0	.5	.1					3.5	11.1
SW	.1	.1	.9	1.1	.2	.1					2.5	11.6
WSW	.2	1.1	1.3	1.3	.9	.3					5.1	12.1
W		1.7	2.5	1.8	1.2						7.2	10.8
WNW	.3	3.0	5.3	5.2	2.2	.1	.1				16.1	11.2
NW	.3	2.0	4.2	4.6	1.4						12.6	11.0
NNW		2.3	3.5	4.0	1.9						11.7	11.3
	.1	.4	2.6	2.2	.5	.1					5.9	11.5

VARIABLE

CALM

TOTALS

6.9
 100.0
 10.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725063 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	.6	1.7	.4	.1	.1					5.2	7.7
NNE	.4	1.0	1.1	.5	.6	.6					4.3	11.8
NE	.1	.5	.9	.9	.1						2.5	10.0
ENE	.2	.6	1.0	.4	.2						2.5	9.0
E	.4	.4	1.3	.3	.1						2.6	7.8
ESE	.2	.2	.6	.8	.3	.1					2.3	11.9
SE		.1	.5	.6	.2						1.5	11.9
SSE	.2	.2	.5	.2	.2						1.4	9.5
S		.3	1.0	.8	.9						2.9	12.7
SSW	.1	.3	.4	1.4		.1					2.4	11.6
SW	.2	.5	.9	1.0	.6						3.2	11.5
WSW		.9	1.4	1.7	.5	.1					4.6	11.6
W	.2	3.4	3.2	4.4	1.3	.7	.1				13.0	11.0
WNW	.4	3.6	4.7	4.4	1.6	.7					15.1	10.6
NW	.1	2.8	3.3	2.6	1.0	.1					9.9	10.1
NNW	.1	1.5	1.9	1.8	.4						5.8	10.1

VARIABLE												
CALM	////////////////////										21.0	////
TOTALS	3.0	19.0	24.5	22.3	9.3	1.8	.1				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/ETC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725063 STATION NAME: OTIS ANGUS HA

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			56
N		2.2	2.7	1.3	.1							6.2	8.9
NNE		.5	.2	.6	.2	.5						2.2	14.1
NE	.2	.6	.4	.3	.4	.2						2.4	10.9
ENE	.1	.5	1.2	.2	.3							2.4	9.5
E	.3	.6	.6	1.2	.2							3.0	9.6
ESE		1.0	.1	.4	.3	.2						2.0	10.7
SE		.1	.4	.2	.2							1.0	12.1
SSE	.1	.4	.1	.3	.2							1.2	10.2
S	.1	.4	.5	.3	.8	.1						2.3	12.9
SSW		.1	1.1	.6	.2							2.2	12.1
SW		.1	.5	.6	.9							2.2	14.3
WSW		1.0	.5	1.6	1.3	.1						4.7	13.1
W		3.4	4.6	5.0	1.5	.1	.1					14.7	11.0
WNW	.1	5.3	5.1	4.2	.9							15.5	9.5
NW	.2	1.8	3.2	3.4	1.3							10.0	11.0
NNW	.1	3.1	3.0	2.2	.1	.3	.1					8.9	9.7
VARIABLE													
CALM												19.2	////
TOTALS	1.3	21.4	24.4	27.9	8.9	1.6	.2					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 424

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANG FLD PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.2	.0	2.4	1.5	.3	.0					6.5	9.0
NNE	.1	.6	.0	.9	.6	.2					3.4	11.9
NE	.1	.7	.9	.9	.0	.1	.0				3.2	11.2
ENE	.1	.7	.0	.0	.2	.1	.0				2.4	10.1
E	.3	.6	.7	.6	.1	.0					2.4	8.9
ESE	.1	.5	.4	.7	.2	.1					2.1	11.3
SE	.1	.3	.6	.5	.2	.1					1.8	10.8
SSE	.1	.5	.7	.4	.2	.1					1.7	11.0
S	.1	.6	1.0	.5	.6	.0					2.8	11.1
SSW	.0	.3	.6	.6	.2	.1	.0				2.0	12.2
SW	.1	.4	.7	1.0	.6	.1	.0				2.9	12.8
WSW	.1	.9	1.4	1.8	.5	.1	.0				5.0	11.7
W	.2	2.9	4.8	4.9	1.9	.7	.0				15.1	11.2
WNW	.2	3.3	4.7	3.3	1.4	.1					13.5	10.4
NW	.3	2.1	4.1	3.3	1.3	.0					11.1	10.7
NNW	.2	2.1	3.5	2.8	.4	.1	.0				9.1	9.8

VARIABLE												
CALM	////////////////										15.0	////
TOTALS	2.4	16.5	28.0	24.8	9.6	1.6	.2				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 7436

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/ETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANG F MA PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS(SLT): 0000-0200

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	.8	1.3	3.0	2.0	1.1	.1						8.3	10.5
NNE	.2	.2	1.2	1.2	.6							3.4	12.1
NE	.1	.4	.5	.2	.8							2.0	12.1
ENE		.6	1.3	.4								2.2	8.5
E	.2	.5	.7	1.2								2.6	9.9
ESE		.4	.4	.1								.8	7.6
SE	.1	.7	1.7	.6	.1							3.2	9.2
SSE	.1	.6	.2	.9	.2							2.1	10.6
S	.1	.2	.4	1.3	.4							2.4	11.9
SSW	.1	.4	.6			.1						1.2	8.8
SW	.4	.4	.5	.6	.4							1.8	11.3
WSW	.1	1.2	1.1	1.1	.4							3.8	9.9
W	.5	2.8	3.3	2.4	.5	.1						9.6	9.2
WNW	.5	1.9	5.2	2.8	.6							11.0	9.7
NW	.2	3.3	3.5	2.6	.5							10.2	9.3
NNW	.5	4.0	4.6	3.0	1.1	.2						13.4	9.7

VARIABLE	////////////////////	22.1	////
CALM	////////////////////		
TOTALS	3.7 18.8 28.0 20.3 6.5 .6	100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86

MONTH: FEB HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	1.7	3.1	1.9	1.1	.7					8.2	10.8
NNE		.6	.8	.9	.7						3.1	12.0
NE		.9	.6	.5	.6	.1					2.7	11.2
ENE	.2	.7	1.1	.6	.1						2.7	8.7
E	.1	.4	.2	1.5							2.2	10.7
ESE		.1	.6	.2							.9	8.8
SE			.7	.7							1.4	11.7
SSE	.2	.4	.6	.6	.4						2.1	10.7
S		.6	1.4	.1	.9	.1					3.2	12.0
SSW		.2	.2	.1							.6	8.0
SW		.4	.1	.1	.7						1.3	13.4
WSW	.1	.5	1.1	1.7	.2						3.5	10.7
W	.4	3.2	2.8	1.7	.1						8.2	8.1
WNW	.1	2.6	5.6	2.2							10.5	9.0
NW	.4	4.0	5.6	3.8	.5						14.2	9.3
NNW	.6	3.5	2.8	3.1	.6	.1					11.0	9.7

VARIABLE

CALM

TOTALS

24.1

100.0

7.5

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS(LST): 0600-0800

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	.5	.9	2.4	1.8	.8							6.4	10.5
NNE		.7	1.2	1.7	.4	.4						4.3	12.0
NE	.2	.8	.4	.4	.4	.1						2.2	9.8
ENE	.2	1.2	1.1	1.4	.1							4.0	9.4
E	.2	.5	.6	1.1								2.4	9.6
ESE		.5	.6	.2								1.3	6.5
SE		.1	.6	.5	.1							1.7	10.8
SSE	.2	.4	.6	.5	.4							2.0	10.1
S		.7	.9	.7	.1	.1	.1					2.7	11.2
SSW	.1	.4	.4	1.1		.1						2.0	10.8
SW		.6	.2	.6	.4							1.8	11.3
WSW	.1	.7	.9	1.2								3.0	9.7
W	.1	3.5	3.6	1.4	.2	.1						9.0	8.2

WIND	4	4.4	4.6	3.3	.9	11.6	9.9
WIND	5	4.1	5.4	3.0	.1	13.5	9.2
WIND	2	3.4	4.4	3.5	.4	12.3	9.9
VARIABLE							
CALM						20.0	////
TOTALS	2.8	20.9	28.1	22.2	4.3	100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725000 STATION NAME: OTIS ANCH MA

PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS(UT): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.1	1.4	3.2	3.7	.7	.6					9.7	11.7
NNE		.5	1.7	1.3	.8	.5					4.7	13.1
NE		1.3	1.3	.9	.4	.4					4.3	10.6
ENE		1.2	1.2	1.8	.2	.2					4.6	10.4
E	.1	.9	.6	.9	.2						2.8	9.3
ESE		.1	1.1	.9	.2						2.4	12.0
SE		.1	1.1	.5							2.0	11.0
SSE	.1	.4	.8	.9	.2	.1					2.6	11.5
S		.5	1.5	.9							3.0	9.6
SSW		.5	.7	1.1	.6						2.4	12.5
SW	.1	.2	1.1	.9		.1					2.5	10.0
WSW		.9	1.4	2.6	.9	.5	.1				6.5	13.1
W	.2	1.3	4.6	2.1	.6						8.9	10.0
WNW	.4	1.3	4.0	5.1	.9	.1					11.8	11.1
NW	.2	1.7	4.6	5.2	1.4	.4					13.5	11.8
NNW		.7	3.6	3.9	1.1	.4					9.8	12.1

VARIABLE

CALM /// 8.2 //

TOTALS | 1.3 12.0 32.6 53.2 4.4 3.2 .1 100.0 10.5

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANG B MA

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(IST): 1200-1400

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N		1.1	3.1	3.8	1.7	.6	.1					10.2	12.9
NNE	.2	.6	2.1	2.4	1.2							6.5	12.1
NE		.6	1.8	1.8	.4							4.5	11.1
ENE	.1	.6	.8	.8	.5	.1	.1					3.1	12.4
E		.7	.8	.8	.1		.1					2.6	10.2
ESE		.4	.8	1.1	.1	.2						2.6	12.3
SE	.1	.5	.8	1.4	.1							3.0	10.6
SSE	.1	.1	.4	.9	.4							1.9	12.1
S	.4	.2	1.4	1.3	.1	.4						3.8	11.6
SSW		.5	1.1	1.1	.4	.1						3.1	11.7
SW		.5	.7	1.3	.4	.1						3.0	12.4
WSW	.1	1.2	3.3	4.3	1.9	.4						11.1	12.6
W	.1	2.0	4.0	3.8	.7							10.6	10.3
WNW	.4	2.0	4.6	4.5	.5							11.9	10.5
NW		.8	3.1	5.1	1.3	.5						10.8	12.8
NNW		.5	2.0	3.0	.8	.1						6.4	12.7

VARIABLE

CALM	1.5	12.2	30.9	37.2	10.4	2.4	.4					5.1	11.2
TOTALS												100.0	11.2

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGUS MA

PERIOD OF RECORD: 77-80
 MONTH: FEB HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
R	.2	1.4	2.7	3.2	1.1	.2	.1				9.0	11.5
NNE	.1	1.1	2.0	1.5	1.2	.1					6.0	11.9
NE	.1	1.1	1.8	2.0	.9						5.9	11.2
ENE		.9	1.2	.4	.2		.2	.1			3.1	12.0
E		.6	1.5	.2	.5						2.8	9.8
ESE		.4	1.2	.8		.1	.1				2.6	11.6
SE		.9	.7	.7	.4						2.7	10.0
SSE	.1		1.2	.4	.1						1.9	9.7
S	.1	2.2	1.2	.8	.4						4.7	8.4
SSW	.2	.5	2.5	1.1	.2						4.5	9.7
SW		.9	1.9	1.4	.7						5.0	11.0
WSW	.2	1.2	4.1	3.3	1.7	.2	.1				10.9	11.8
W	.2	2.0	4.1	3.1	1.4						10.9	10.7
NNW	.1	1.5	3.8	4.3	.7						10.2	11.0
NW	.1	.7	3.2	3.5	.9	.2					9.0	12.4
NNW		.2	2.2	1.9	1.7						6.0	13.0

VARIABLE												4.8	////
CALM												100.0	10.7
TOTALS	1.7	15.7	35.5	28.0	17.1	.5	.6	.1					

TOTAL NUMBER OF OBSERVATIONS: 246

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANG R MA

PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS(UT): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.2	1.8	2.0	2.4	.5	.1	.1	.1			7.1	10.6
NNE	.2	.9	1.8	1.2	.7	.1	.1				4.8	11.4
NE	.1	.5	1.1	1.1	.1	.1	.1				3.1	11.5
NNE	.2	.9	.7	.5	.1			.2			2.7	10.7
E	.4	1.8	.6	.1	.2						3.1	6.4
ESE	.1	.7	1.1	.6	.1	.2					2.8	10.5
SE	.5	1.1	.5	.2	.4						2.6	7.4
SSE	.4	.9	1.1	.2	.1						2.7	7.3
S	.4	.7	1.7	.1							2.8	7.3
SSW	.2	.7	1.4	.6	.5						3.4	10.2
SW	.1	.9	1.8	1.1	.2						4.1	9.7
WSW	.2	1.9	2.4	2.4	.1						7.0	9.4
W	.4	4.3	3.9	2.4	.6	.1					11.6	9.0
WNW	.4	2.8	2.8	2.0	.4	.1					8.5	9.2
W	.1	2.4	3.0	2.7	.7	.4					9.2	10.4
WNW	.2	2.1	1.5	2.4	1.2	.2					7.7	11.0

VARIABLE												
CALM	////////////////////										16.7	////
TOTALS	4.1	24.5	27.0	10.9	5.9	1.4	.4	.2			100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 446

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 725060 STATION NAME: OTIS ANG8 MA

PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.5	2.4	2.4	2.1	.6	.2					8.2	9.7
NNE	.2	.5	1.2	1.7	1.1	.2					4.8	12.8
NE	.2	1.3	.6	.7	.5	.1					3.4	9.7
NNE		1.3	1.1	.2	.1						2.7	7.7
E	.6	.4	.4	.7			.1	.1			2.2	10.6
ESE		1.1	.9	.1		.1					2.2	7.8
SE		.7	.4	1.1	.4	.2					2.7	12.1
SSE	.4	.6	.5	.2	.4						2.0	8.3
S	.1	.4	1.5	.2	.1						2.4	9.2
SSW	.1	.5	.6		.5						1.7	10.1
SW	.1	.5	.2	.3	.1						1.8	10.3
WSW		1.5	1.7	1.5	.2						5.0	9.5
W	.4	4.1	2.8	4.1	.5						11.9	9.4
WNW	.2	2.6	4.6	2.4	.9						10.8	9.8
NW	.4	1.1	2.2	2.7	.6						7.0	10.5
NNW	.6	2.6	3.0	2.7	1.1						9.9	9.9
VARIABLE												
CALM												21.3
TOTALS	3.8	21.4	24.0	21.4	7.0	.5	.1	.1			100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 46

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/AFAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANG AIRFIELD
 PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS(ULST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.3	1.6	2.7	2.6	.9	.3	.0				8.4	11.1
NNE	.1	.6	1.5	1.5	.8	.2	.0				4.7	12.2
NNE	.1	.0	1.0	.9	.5	.1	.0				3.5	10.9
NNE	.1	.9	1.3	.8	.2	.0	.0				3.1	10.1
E	.2	.7	.7	.3	.1		.0				2.6	9.5
ESE	.0	.4	.8	.5	.1	.1	.0				2.0	10.4
SE	.1	.5	.8	.3	.2	.0					2.4	10.2
SSE	.2	.4	.7	.6	.3	.0					2.2	10.0
S	.1	.7	1.3	.7	.3	.1	.0				3.1	10.1
SSW	.1	.4	.9	.6	.3	.0					2.4	10.6
SW	.0	.5	.8	.9	.4	.0					2.6	10.9
WSW	.1	1.1	2.0	2.2	.7	.1	.0				6.3	11.3
W	.3	1.0	3.6	3.6	.6	.0					10.1	9.4
WNW	.2	1.1	4.4	3.3	.6	.0					10.8	10.1
NW	.2	2.3	3.8	3.6	.8	.2					10.9	10.6
NNW	.3	1.1	3.0	2.9	1.0	.2					9.6	10.7

VARIABLE												
CALC	////////////////////										15.3	////
TOTAL	2.7	10.3	29.3	25.3	7.6	1.4	.2	.1			100.0	8.9

TOTAL NUMBER OF OBSERVATIONS: 6708

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGR MA										PERIOD OF RECORD: 77-86			
										MONTH: MAR HOURS(LST): 0000-0200			
										FROM HOURLY OBSERVATIONS			
DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.5	.5	2.9	2.2	.8	.3						9.1	9.8
NNE	.1	.6	1.7	2.0	.9	.2						5.6	12.1
NE	.1	.4	1.3	.3	.6	.3	.3					3.9	13.6
ENE	.1	.2	1.0	.2	.5							2.0	11.0
E	.1	.3	.6	.4	.5	.1						2.3	12.2
ESE		.3			.1							.4	8.5
SE	.1	1.4	.1	.9	.5							3.0	10.0
SSE	.1	.4	.3	.8	.2							1.6	10.7
S	.1	1.0	1.7	1.3								4.1	9.3
SSW	.2	.4	1.2	1.2	.4							3.4	10.7
SW		1.5	2.7	1.1	.5							5.8	9.6
WSW	.2	1.3	2.4	1.9	.5							6.4	10.4
W	.3	2.3	3.9	1.6	.3							8.6	9.2
WNW	.2	2.6	3.4	1.9	1.0							9.1	9.9
NW	.2	1.7	2.9	1.9	.9	.4						8.1	10.7
NNW	.4	2.2	2.2	1.4	.9	.1						7.1	9.7
.....													
VARIABLE												
CALM	////////////////////										19.2	////	
TOTALS	2.9	14.2	28.4	19.8	8.7	1.5	.3					100.0	8.4
.....													

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725000 STATION NAME: OTIS ANG B MA PERIOD OF RECORD: 77-86
 MONTH: MAR HOURS(LST): 0300-0500

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.1	1.4	3.5	2.4	1.3							8.7	11.1
NNE	.1	1.1	1.0	1.3	1.1	.6	.2					5.4	13.9
NE	.1	.2	1.4	1.3	.1	.3	.1					3.5	12.5
ENE	.1	.5	1.1		.5							2.3	9.6
E		.2	.6	.1	.9	.1						2.0	14.1
ESE	.1	1.0	.3	.1	.2							1.7	7.9
SE		.2	.1		.4	.2						1.0	15.4
SSE	.1	.3		.5	.4							1.4	12.5
S	.1	.9	1.0	1.6								3.5	9.8
SSW		.4	.5	.8	.6							2.4	12.5
SW		1.8	2.5	.5	.2	.2						5.3	9.0
WSW	.1	1.7	1.5	2.0	.4							5.8	10.0
W	.4	2.8	3.7	2.2	.1							10.2	9.3
WNW		2.3	2.4	1.9	.3							6.9	9.5
NW	.1	2.6	3.2	1.0	.3	.3						7.5	9.2
NNW	.1	2.0	3.1	1.6	.8							7.6	9.5

VARIABLE

CALM	1.5	19.5	26.0	18.4	7.7	1.6	.3					24.7	7.8
TOTALS												100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGR MA

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 0600-0800

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.4	1.4	4.6	3.2	1.0	.2						11.1	10.9
NNE	.1	.8	.9	2.4	.8	.6						5.5	13.6
NE	.1	1.1	.5	.6	.2	.3						2.9	10.8
NNE	.2	.1	.9	.5	.5		.1					2.4	12.6
E	.1	.5	1.2	.5	.2	.2	.1					3.0	11.1
ESE		.5	.3	.4	.3							1.6	10.3
SE	.1	1.1	.3	.1	.1							1.7	7.0
SSE	.1	.2	.6	.4	.1							1.5	9.9
S	.2	1.3	1.4	1.6	.4							4.9	9.7
SSW	.1	.5	.9	1.2	.2							2.9	10.6
SW	.1	.9	1.7	1.5	.3		.1					4.6	10.9
WSW		1.8	2.6	1.0	.2							5.6	9.1
W	.3	1.4	3.2	2.1	.5	.1						8.9	10.6
WNW		1.6	3.1	2.5	.5							8.8	10.8
NW	.2	2.6	2.3	2.3	.4	.1						9.0	9.4
NNW	.1	1.0	3.1	2.0	.8							7.6	10.2

VARIABLE

CALM

TOTALS

18.9
100.0
8.6

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
 MONTH: MAR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL %	MEAN WIND
N	.3	1.1	1.5	3.5	1.0	.3	.1					7.8	12.4
NNE		.8	3.0	4.0	2.0	.9	.2					10.9	14.0
NF		.5	.8	1.7	.2	.3						3.5	12.4
NNE	.1	.3	1.2	1.7	.4	.1						3.9	12.1
E	.2	.8	1.1	.4	.1	.1	.2					2.9	10.7
ESE		.8	.8	1.0								2.5	9.6
SE		.4	.9	1.1	.2							2.6	10.9
SSE		.8	1.0	.4								2.2	8.4
S	.1	1.1	1.7	1.3	.1	.1						4.4	9.3
SSW	.1	.9	2.7	2.2	.8	.3						6.9	11.7
SW		.6	1.4	1.0	1.5	.5						5.1	13.9
WSW	.1	.9	2.0	2.2	1.5	.4						7.1	12.9
W	.1	1.4	1.2	2.8	1.3							6.8	12.0
WNW	.2	.6	2.9	7.2	1.4	.2						12.6	12.9
NW		.9	2.5	3.3	.5	.3						7.5	12.0
NNW	.3	.6	2.6	3.2	.5	.1						7.3	11.4

VARIABLE

CALM

TOTALS

1.6 12.3 27.1 37.0 11.6 3.8 .5 100.0 11.4 6.1

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGE MA

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	.5	1.3	2.9	1.4	.7	.2				6.8	13.9
NNE		1.0	2.7	3.5	1.9	.9	.3				10.3	14.1
NE		1.0	1.5	1.9	.3	.1			.1		5.3	12.1
ENE		.6	1.9	1.1	.3						4.0	10.4
E		1.1	1.2	.2	.3			.1			2.9	9.8
ESE	.1	.5	1.0	.9							2.5	9.4
SE	.2	.1	1.6	1.6							3.5	10.2
SSE		.2	1.7	1.0	.2						3.1	10.7
S	.1	1.5	2.3	1.2	.5						5.6	9.7
SSW		1.1	2.4	2.2	.9		.1	.1			6.7	11.9
SW		1.0	1.9	2.4	.6	.3	.1				6.3	12.5
WSW		.7	2.0	3.3	2.5	.4					9.6	14.4
W	.2	.4	3.3	4.4	2.8	.2					11.5	13.3
WNW		.9	2.7	3.5	1.8	.2					9.1	12.8
NW		.4	1.9	2.9	1.2	.2					6.7	13.3
NNW		.6	1.7	1.8	.2						4.4	11.0

VARIABLE

CALM /// 2.7 //

TOTALS .8 11.3 31.5 34.6 15.1 2.8 .8 .1 100.0 12.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGE MA PERIOD OF RECORD: 77-86
 MONTH: MAR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	.3	1.2	1.7	.8	.8	.1				4.9	14.7
NNE		1.5	2.7	3.3	1.8	.7	.2				9.9	13.0
NE		1.2	2.7	1.3	.4	.1	.1				5.8	10.4
ENE	.2	1.1	2.0	1.1	.1		.3				4.8	10.5
E	.3	1.2	.6	.5	.1	.1					2.9	8.3
ESE	.1	.2	1.3	1.4	.3	.1					3.4	11.9
SE		.9	1.6	1.2	.2						3.9	10.0
SSE	.1	1.4	2.4	.9							4.7	8.3
S	.1	1.9	3.2	.9	.4						6.6	9.1
SSW	.1	.4	2.2	1.7	.9	.1	.1				5.5	12.6
SW		.3	2.8	2.5	.5	.2					6.3	12.2
WSW		.6	3.8	4.9	1.2	.2					10.8	12.5
W		1.0	2.5	2.9	1.7	.6					8.7	13.2
WNW		1.0	1.5	3.5	2.6	.2					8.8	13.8
NW		.5	1.9	3.4	.9	.3					7.1	12.9
NNW		.1	1.0	2.2	.5						3.8	13.2

VARIABLE

CALM 2.0 /

TOTALS 1.1 13.7 33.3 33.4 12.5 3.1 .9 100.0 11.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY SKETCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANG B MA PERIOD OF RECORD: 77-86
 MONTH: MAR HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.4	1.1	1.9	2.3	.3	.2	.1				6.4	11.1
NNE	.3	1.3	2.3	1.0	.8	.6					6.2	11.8
NE		1.3	1.6	.3	.3	.2	.1	.1			4.0	11.1
ENE	.2	.8	1.3	.9	.3	.1		.1			3.7	10.8
E		.4	.9	.3	.2	.1					2.4	10.9
ESE	.1	1.0	.8	1.0	.5	.2					3.6	11.8
SE	.4	.9	1.0	.8	.2						3.2	8.7
SSE	.2	1.8	.6	.9							3.6	7.2
S	.2	2.3	1.2	1.2	.2						5.1	8.4
SSW	.2	1.9	1.4	1.4	.4						5.4	9.2
SW	.1	1.8	2.6	1.5	.3	.1					6.5	9.8
WSW	.5	2.6	3.3	2.9	.5	.4					10.2	10.2
W	.1	.6	2.2	2.4	.8						6.1	11.4
WNW		1.4	2.0	2.8	1.6	.1					8.0	12.3
NW	.2	1.1	2.3	2.5	.8	.2					7.0	11.5
NNW	.2	1.0	1.3	2.2	.3	.2					5.2	11.3

VARIABLE

CALM	13.7	////
TOTALS	3.3	21.2
	26.6	24.5
	7.6	2.6
	.2	.2
	100.0	9.2

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86

MONTH: MAR HOURS(UT): 2100-2300

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.1	1.4	3.0	1.7	.3		.1					6.7	9.9
NNE	.1	1.4	1.1	1.2	.9	.2						4.8	11.4
NE		.5	1.2	.4	.6	.4	.2	.1				3.6	14.5
NNE		.2	1.2	.5	.3	.2						2.5	12.6
E		.5	.9	.3	.1							1.8	9.2
ESE	.1	.8	.3	.4	.5							2.2	11.0
SE		.6	.4	.6	.2	.1						2.0	10.8
SSE		1.1	.3	1.0	.3							2.7	10.3
S	.2	1.8	2.0	1.1								5.2	8.0
SSW	.1	1.7	1.6	1.0	.3							4.7	9.3
SW	.1	1.1	1.6	1.3	.4							4.5	10.5
WSW	.5	1.5	2.3	1.7	.8							6.8	9.7
W	.4	4.8	2.8	2.2	.6							8.5	9.5
WNW	.3	1.9	3.1	3.0	1.1	.4						9.9	11.3
NW	.2	1.0	2.6	2.2	.8	.3	.1					8.1	10.8
NNW	.2	1.5	1.4	1.9	.3	.2						6.6	10.4

VARIABLE

CALM	20.5	////	////	////	////	////	////	////	////	////	////	20.5	////
TOTALS	2.2	20.9	25.8	20.6	7.6	1.5	.4	.1				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATELOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFLTAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725063 STATION NAME: OTIS ANGEL MA PERIOD OF RECORD: 77-86
 MONTH: MAR HOURS(LST): ALL

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.3	1.2	2.5	2.5	.8	.7	.1					7.7	11.5
NNE	.1	1.0	1.9	2.3	1.3	.6	.1					7.3	13.2
NE	.0	.8	1.4	1.0	.4	.7	.1	.0		.0		4.1	12.1
NNE	.1	.5	1.2	.8	.4	.1	.1	.0				3.2	11.1
E	.1	.6	.9	.4	.3	.1	.0	.0				2.5	10.7
ESE	.1	.6	.6	.6	.3	.0						2.2	10.5
SE	.1	.7	.8	.8	.2	.0						2.6	10.0
SSE	.1	.8	.9	.7	.2							2.6	9.3
S	.1	1.5	1.8	1.3	.2	.0						4.9	9.1
SSW	.1	.9	1.6	1.4	.6	.1	.0	.0				4.7	11.1
SW	.0	1.1	2.2	1.5	.6	.2	.0					5.6	11.1
WSW	.2	1.3	2.5	2.5	1.0	.7						7.7	11.4
W	.2	1.6	2.8	2.9	1.0	.1						8.7	11.1
WNW	.1	1.5	2.6	3.4	1.3	.1						9.2	11.8
NW	.1	1.5	2.4	2.4	.7	.7	.0					7.5	11.2
NNW	.7	1.2	2.0	2.0	.5	.1						6.1	10.7

VARIABLE	13.5	100.0	9.7
CALM	13.5	100.0	9.7
TOTALS	13.5	100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 7437

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFLTAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGUS MA PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(LST): 0000-0200

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.1	.2	2.7	1.4	.4	.1	.1					6.8	9.0
NNE	.3	1.1	1.0	1.4	.4			.1				4.4	10.4
NE		1.1		.9	.3							2.3	10.7
ENE	.2	.9	1.2	.7								3.0	8.4
E		.9	1.6	.4								3.1	6.8
ESE		.7	.4	.7	.1	.1						2.0	10.9
SE		.9	.7	.3	.1	.1						2.1	9.2
SSE	.1	1.1	.7	.6								2.7	8.4
S	.6	.3	1.4	1.3	.1	.1						5.9	7.9
SSW	.8	1.8	.9	.3	.6							4.3	7.9
SW	.1	1.8	1.7	1.3	.1	.1	.1					5.2	9.3
WSW	.7	.3	2.3	1.3	.3	.7						6.9	8.4
W	.6	2.1	4.0	1.7								9.3	7.8
WNW	.3	1.9	2.2	1.1	.2	.4						6.8	10.5
NW	.4	2.8	1.8	.9								5.9	7.4
NNW	.8	.3	1.6	.7	.2							5.6	7.4

VARIABLE

CALM

TOTALS

23.7 100.0 6.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS AGRH MA

PERIOD OF RECORD: 77-86
 MONTH: APP HOURS(LST): 0300-0500

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	.3	.3	2.6	1.8	.2							8.6	8.4
NNE		1.9	1.1	1.6	.6		.3					5.4	11.1
NF	.2	.8	1.4	.8	.6							3.8	10.0
ENE	.2	.4	.8	.3	.1							1.9	9.1
E		1.2	2.1	.4	.1							3.9	8.6
ESE		.7	.6	1.0								2.2	9.6
SE	.1	.7	1.1	.7	.1							2.7	9.3
SSE	.1	.8	.1	.6	.3							1.9	9.5
S	.6	1.3	1.2	1.2								4.3	8.4
SSW	.1	1.1	.9	.3	.1	.1						2.7	8.5
SW	.3	2.2	1.4	1.6	.1		.1					5.8	9.3
WSW	.3	1.0	1.8	1.4	.4							6.0	9.1
W	.9	3.7	3.4	1.2								9.2	7.5
WNW	.4	2.1	2.4	1.0	.6	.7						6.8	9.2
NW	.4	3.3	2.0	1.0								6.8	7.3
NNW	.2	1.6	1.6	.4								3.8	7.7
VARIABLE													
CAL												24.3	////
TOTALS	4.3	27.4	24.6	15.3	3.2	.3	.4					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 UAFETAC FROM HOURLY OBSERVATIONS
 AIR FATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGE WA PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(IST): 0600-0600

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL %	MEAN WIND
N	.1	3.0	3.2	2.2	.5							9.3	9.6
NNE	.1	.6	2.1	2.3	1.0	.2	.3	.1				6.8	13.9
NE	.2	1.1	2.7	1.4	.6							6.0	10.0
ENE	.1	1.3	.6	.7	.3							3.0	9.2
E	.1	1.0	1.2	1.1								3.4	9.0
ESE		.8	.8	1.0	.1							2.7	9.7
SE	.1	.3	1.7	1.0	.1							3.2	9.8
SSE	.2	.4	.7	.3	.2							2.3	10.3
S	.3	1.1	2.3	1.0	.2							5.0	9.0
SSW	.1	.9	1.4	.8								3.2	8.5
SW	.4	1.4	1.9	1.8	.3	.1						6.0	9.7
WSW	.2	1.8	2.0	2.0	.6							6.6	10.0
W	.4	2.7	4.4	1.4	.7	.1						9.8	9.1
WNW	.1	1.1	3.3	2.2	.4	.3						7.6	10.9
NW	.1	1.2	2.8	2.1	.7							6.9	10.1
NNW	.1	1.4	2.7	1.0								5.2	8.7

VARIABLE

CALM

TOTALS

13.0
 100.0
 8.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAPLTAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725000 STATION NAME: OTIS ANGUS MA PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N		1.1	2.2	3.1	.4	.4	.2					7.6	12.7
NNE	.1	.7	2.3	3.4	2.3	.7	.2	.1				9.3	14.7
NE	.3	1.1	2.2	3.2	1.3	.2	.1	.1				8.7	12.6
NNE	.4	.7	.7	1.1	.1	.1						2.4	11.0
E		.7	1.1	1.1	.3	.2	.1					3.6	12.1
ESE		.8	1.3	1.6	.1							4.0	10.8
SE	.3	.2	1.7	1.1	.2							3.2	10.6
SSE		.3	1.7	.3	.4							2.8	11.0
S	.1	1.0	2.3	1.9	.4							5.8	10.5
SSW		1.0	1.9	2.1	.1							5.1	10.5
SW	.3	1.8	1.8	2.0	1.0							5.1	12.7
WSW	.9	3.7	3.7	4.0	1.3	.3						10.2	12.3
W	.1	1.6	4.0	3.1	.3							9.1	10.4
WNW	.8	3.2	3.2	2.4	1.1							7.6	11.8
NW	.1	.7	3.4	3.2	.8							8.2	11.6
NNW	.2	.2	1.2	.9	.6	.2						3.3	12.0

VARIABLE

CALM

TOTALS

1.7 11.4 34.4 34.9 11.0 1.6 .8 .2 4.0 100.0 11.4

TOTAL NUMBER OF OBSERVATIONS: 200

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725063 STATION NAME: OTIS AAFB MA

PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND %
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.2	.4	2.8	4.6	2.1	1.3	.2				4.0	13.7
NNE	.1	.4	2.8	4.6	2.1	1.3	.2				12.2	14.4
NE	.8	3.4	7.3	.7			.1	.1			8.4	11.9
ENE	.4	1.2	.4			.1	.1				2.3	10.6
E	.7	2.1	1.3	.2	.2						5.0	11.0
ESE	.6	.8	1.1	.7							3.1	12.1
SE	.3	.9	.9	.2							2.3	11.0
SSE	.2	.9	1.7	1.0	.2						4.0	9.4
S	1.3	3.1	2.0	.7							7.1	10.2
SSW	.1	.6	2.3	3.1	.8	.2					7.1	12.2
SW	.7	2.1	4.0	1.6	.1						8.1	13.2
WSW	.7	4.0	4.3	1.7	.8						11.1	13.6
W	.7	1.3	2.4	3.7	.8	.2					9.8	11.3
WNW	.2	2.0	3.2	1.9							6.3	13.8
NW	.8	1.4	2.7	.7	.1						5.7	12.5
NNW	.2	1.2	1.2	.1							2.8	11.3

VARIABLE

CALM

TOTAL

1.6 100.0 12.2

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS AFB MA PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(UT): 1500-1700

DIRECTION (OCCURRENCE)	WIND SPEED IN KNOTS										TOTAL WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56
N		.7	1.1	1.6	.2	.6	.1				4.2
NNE		.4	3.3	3.2	1.6	.3	.4				9.3
NF	.1	1.2	2.8	2.0	.7	.2	.2				8.2
ENE		1.2	2.2	.6	.1	.1					4.2
E	.2	.8	1.6	.7	.2	.1	.1				3.7
ESE		1.1	2.0	1.4	.2	.1					4.9
SE		.8	2.4	1.0	.4	.1					4.8
SSE		.8	1.6	.8	.3	.1					3.6
S	.2	2.1	2.9	1.8	.4						7.4
SSW		.6	3.3	2.3	.6	.3					7.1
SW	.1	.7	2.9	6.2	2.3	.1					11.3
WSW	.2	1.0	4.2	5.9	2.4						13.8
W	.1	.3	1.8	2.3	.9	.1					5.6
WNW		.2	1.6	2.0	1.0						4.8
NW		.9	.7	1.4	1.0						3.6
NNW		.1	.7	.9	.4						2.1

VARIABLE											
CALM	////////////////////										1.4
TOTALS	1.0	10.4	35.0	34.1	12.9	2.2	.9				100.0

TOTAL NUMBER OF OBSERVATIONS: 900

NAVAL CLIMATE BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 WASHINGTON FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS AFB MA PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.2	1.4	1.9	1.2	.2			.1			5.1	9.7
NNE		1.7	1.3	2.3	.4	.1					6.3	10.9
NF	.3	.8	1.0	.9	.3	.2					3.6	10.5
ENE		.9	1.3	.6							2.8	8.2
E	.2	1.6	1.7	.9	.4	.1					4.9	9.3
ESE	.1	1.4	1.8	.6	.7	.2					4.8	9.8
SE	.1	1.1	1.8	.6	.3	.1					4.0	9.4
SSE	.4	1.6	.4	.4	.1	.1					3.1	7.8
S	.3	2.3	3.0	.7	.3						7.2	6.2
SSW	.3	1.4	1.1	1.4	.4						4.8	9.4
SW	.2	3.1	3.7	4.4	.6	.1					12.1	9.9
WSW		3.0	4.4	4.4	.4	.1					12.4	10.2
W	.3	1.4	1.9	2.0	.1						5.8	9.4
WNW	.2	.7	1.2	1.6	.7	.2					4.6	11.9
NW	.1	.4	1.2	1.9							3.8	10.6
NNW		.8	1.7	.7			.1	.1			3.3	10.8

VARIABLE

CALM

TOTALS

11.4 100.0 8.7

TOTAL NUMBER OF OBSERVATIONS: 900

GENERAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USARFAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725002 STATION NAME: OTIS ANG R MA

PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	1.9	2.6	1.3	.4	.1					7.6	9.0
NNE		.9	1.1	1.3	.4	.2					4.4	11.6
NE		1.0	.6	.3	.4						2.3	9.7
NNE	.7	.4	1.0								1.7	7.1
E		1.0	1.4	.9	.1						3.4	9.0
ESE		.9	1.1	.6	.1	.2					2.9	10.3
SE	.1	1.2	.6	.7	.6						3.1	10.2
SSE	.6	1.4	.3	.2	.2	.1					2.9	7.3
S	1.1	2.3	2.0	.9		.2	.1				6.7	8.1
SSW	.1	1.7	1.1	.6	.2						3.7	8.3
SW	.3	3.4	2.4	1.7	.4						8.3	8.5
WSW		3.1	3.6	2.7	.4						9.8	9.7
W	.8	3.4	2.8	1.2	.4						9.7	7.9
WNW	.2	.6	2.4	1.4	.4	.2					5.6	11.1
NW		1.7	.9	.6	.3						3.7	8.8
NNW	.2	1.7	1.2	.7	.1						3.6	8.4

VARIABLE

CALM // 21.8 //

TOTALS 3.9 27.6 25.1 15.7 4.8 1.1 .1 100.0 7.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGUS WA PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	1.9	2.1	1.9	.3	.2	.1	.0			6.6	10.3
NNE	.1	1.0	1.9	2.7	1.1	.3	.2	.0			7.3	13.1
NE	.2	1.0	1.6	1.7	.6	.1	.1	.0			5.4	11.3
NNE	.1	.8	1.1	.5	.1	.0	.0				2.7	9.2
E	.1	1.0	1.6	.9	.2	.1	.0				3.9	9.8
ESE	.0	.6	1.1	1.0	.2	.1					3.3	10.4
SE	.1	.7	1.3	.4	.3	.0					3.2	10.0
SSE	.2	.0	.4	.0	.2	.0					2.9	9.3
S	.4	1.7	2.4	1.5	.3	.0	.0				6.2	9.0
SSW	.2	1.1	1.6	1.4	.3	.1					4.7	10.1
SW	.2	1.7	2.2	2.7	.8	.1	.0				7.7	10.9
WSW	.2	1.4	3.2	4.2	1.0	.2					9.6	11.0
W	.4	2.2	3.1	2.1	.4	.1					8.3	9.3
WNW	.2	1.0	2.3	1.7	.9	.2					6.2	11.5
NW	.2	1.4	1.8	1.7	.4	.0					5.6	10.1
NNW	.2	1.0	1.5	.2	.2	.0	.0	.0			3.7	9.5

VARIABLE

CALM
TOTALS

2.9 20.0 30.0 25.2 7.3 1.6 .4 .1 100.0 9.1 12.7

TOTAL NUMBER OF OBSERVATIONS: 7300

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725000 STATION NAME: OTIS ANG F MA

PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(LST): 0000-0200

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.4	3.5	2.2	1.2	.4	.1						7.8	8.2
NNE	.1	.9	1.6	1.4								4.2	9.6
NE		1.5	2.3	.9	.3							4.9	9.2
NNE	.1	.4	.2	.1								.9	7.1
E	.2	.6	.5	.1	.1							1.9	7.9
ESE		.8	.3	.1	.1							1.3	7.5
SE		.9	1.0	.1								1.9	7.5
SSE	.1	1.4	.5									2.4	6.0
S	.7	2.9	2.2	1.5								7.7	7.5
SSW	.1	1.0	2.8	.5								4.4	8.7
SW	.6	3.3	1.9	1.9	.6							8.5	5.8
WSW	.2	4.1	3.5	1.9								9.7	7.9
W	.8	3.7	2.6	.3								7.3	6.6
WNW	.3	1.2	.5									2.0	5.4
NW	.2	1.5	.5	.4								2.7	7.1
NNW	.3	2.6	.9	.2								4.0	5.8

VARIABLE

CALM

TOTALS

28.3

100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANG MA

PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(LST): 0700-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.2	2.2	2.6	1.8	.4						8.3	8.6
NNE	.1	.2	2.5	1.6	.2						4.6	10.6
NE	.1	1.3	2.4	1.1	.4						5.3	9.6
ENE	.1	.2	.6	.1							1.1	8.2
E	.1	.3	.6	.6	.1						2.0	9.7
ESE		.4	.2	.3							1.0	8.8
SE		1.2	.5								1.7	6.3
SSE	.1	1.0	.2								1.3	5.3
S	.1	2.5	2.7	1.0							6.2	7.8
SSW	.1	1.3	1.7	.8							3.9	8.4
SW	.2	2.6	2.0	1.5	.1						6.5	8.3
WSW	.5	3.1	3.8	1.4	.2						9.0	7.9
W	.5	2.4	2.7	.3							7.0	6.7
WNW	.3	1.1	.3								1.7	5.2
NW	.6	2.4	.9	.3							4.2	5.6
NNW	.3	2.4	.5	.3							3.5	6.0

VARIABLE

CALM	32.7	////
TOTALS	100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS AVEB MA

PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(IST): 0600-0800

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.1	.5	2.4	3.1	.5	.1						9.0	9.8
NNE	.1	1.0	2.4	3.3	.4							7.2	11.2
NE	.1	2.2	2.8	2.3	.3							7.6	9.6
NNE	.2	.8	.8	.3	.3							2.4	9.2
E	.5	.8	.5	.2								2.3	6.8
ESE	.2	.9	1.0	.3	.2							2.6	8.5
SE	.2	1.0	.8	.1								2.0	6.7
SSE		1.1	1.2	.2								2.5	7.2
S	.1	2.7	2.5	1.7	.3							7.3	8.8
SSW	.3	1.0	1.9	1.3	.1							4.6	9.1
SW	.4	1.7	1.7	2.2	.2							6.2	9.4
WSW	.2	4.0	3.5	1.3								9.0	7.7
W	.1	2.2	3.2	1.4	.1							7.1	8.5
WNW	.1	4.0	2.3	.9								5.3	7.9
NW	.2	1.6	2.0	1.2	.2							5.3	8.8
NNW	.2	1.1	1.7	.5								3.5	7.9

VARIABLE

CALM	16.0	////	////	////	////	////	////	////	////	////	////	16.0	////
TOTALS	3.2	26.6	31.7	40.3	2.8	.1						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANDR MA

PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N		1.0	2.0	2.4	.9	.1					6.4	11.5
NNE	.4	.9	2.8	4.7	.6	.6					10.1	12.1
N		1.6	3.6	3.0	.6	.3					9.0	11.2
ENE	.3	1.1	1.3	.9	.5						4.1	9.6
E	.2	.5	1.2	.3	.3						2.6	9.0
ESE	.2	.6	.8	.3	.2						2.2	8.4
SE	.1	.6	1.2	.4							2.6	7.6
SSE	.1	.5	2.2	.6							3.4	8.7
S		1.4	3.8	3.1	.1	.1					8.5	10.6
SSW		2.0	2.3	2.8	.5						7.6	10.3
SW	.5	.8	4.0	3.1	.8	.3					8.5	11.2
WSW	.2	1.0	4.2	3.1	.4						9.9	9.8
W	.4	1.3	5.1	1.9	.2						8.9	9.3
WNW		.5	2.3	1.2	.3						4.3	10.4
W		.6	.8	1.0							3.2	11.2
WNW	.2	.9	.9	.8	.3						2.7	9.3

VARIABLE

CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	5.9	////////
TOTALS	2.8	12.5	36.8	30.6	5.9	1.5					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS: 129

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 STAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725000 STATION NAME: OTIS ANG R MA

PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(IST): 1200-1400

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	.2	.6	.5	2.7	.8	.2						5.0	12.9
NNE	.4	1.2	2.8	4.4	1.4	.2						10.4	11.9
NE	.6	.6	2.5	3.2	1.0	.1						7.4	12.2
NNE	.3	.9	2.6	1.9	.4							6.0	10.2
E	.2	1.0	1.2	.2								2.6	7.7
ESE	.1	.3	1.4	.9	.2							2.9	10.5
SE	.2	.6	1.4	.5								2.8	8.1
SSE	.1	.9	2.6	1.2								4.4	8.9
S	.3	1.6	5.2	2.8	.2							10.1	9.5
SSW	.2	.6	4.4	2.7	.9							9.8	11.2
SW		.6	4.0	6.1	1.3	.2						11.4	12.3
WSW		.4	3.6	6.4	.9							11.2	12.3
W		1.1	2.9	1.9	1.0							6.9	11.2
WNW		.6	1.1	1.2								3.0	10.3
NW		.4	.6	.8	.1							2.0	10.5
NNW		.2	.6	.6								1.4	11.1

VARIABLE

CALM	2.6	11.7	21.2	37.4	6.1	.6						2.6	11.1
TOTALS	2.2	11.7	21.2	37.4	6.1	.6						100.0	10.8

TOTAL NUMBER OF OBSERVATIONS: 229

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGAP MA

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	1.0	1.4	1.3	.5	.1					4.4	10.9
NNE	.1	1.5	2.4	3.0	.9	.1	.1				8.5	11.3
NE	.1	1.6	3.1	3.3	1.3	.2					9.7	11.6
NNE	.1	.9	1.5	.3	.3						3.1	9.2
E	.1	1.1	1.1		.1						2.4	7.1
ESE		.6	1.1	.4							2.2	8.6
SE	.2	.9	1.5	.9							3.8	8.2
SSE	.1	1.4	3.0	.9							5.4	8.1
S	.2	2.3	6.0	2.8							11.3	9.1
SSW	.1	1.6	3.4	3.7	.3	.1					9.2	10.5
SW	.1	1.0	3.3	5.5	1.0	.1					11.4	12.0
WSW	.1	.4	5.6	6.9	2.2	.2					15.4	12.6
W		.9	1.7	2.0	.6	.2					6.0	11.8
WNW		.2	.5	.4	.1						1.8	13.8
W		.3	.5	.5	.1						1.5	10.7
WNW		.2	.2	.5							1.0	10.0

VARIABLE

CALM

TOTALS

1.4 1.0 3.0 3.2 7.4 1.1 .1 2.6

TOTAL NUMBER OF OBSERVATIONS: 630

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/AFAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ARGB MA

PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.2	1.2	1.6	.4	.3	.1					3.9	9.2
NNE	.1	1.4	2.2	2.4	.3	.1					8.5	10.2
NE	.7	2.0	1.9	1.2	.3						5.8	8.8
ENE	.1	1.6	.6	.3	.1						2.9	7.3
E	.7	1.6	.9	.1							2.9	6.1
ESE	.3	1.7	.6	.2							2.5	6.3
SE	.1	1.2	1.6	.2							4.1	6.8
SSE	.6	3.2	1.6								5.5	5.9
S	.4	5.2	4.1	1.7							11.4	7.5
SSW	.3	3.5	2.6	2.2	.1						8.7	8.3
SW		1.2	4.6	3.8	.3	.1					11.0	10.3
WSW		1.9	6.6	4.4	1.2						15.1	10.4
W	.1	1.2	2.9	1.7	.1						6.0	9.4
WNW	.2	.2	.3	.3							.9	10.0
NW	.2	.2	.8	.5							1.8	8.6
NNW	.3	.2	.2								.8	5.3

VARIABLE

CALM

TOTALS

8.4

100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 JAFLETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725000 STATION NAME: OTIS ANGE MA

PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(UT): 2100-2300

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.3	2.2	1.6	1.1	.5							6.8	8.3
NNE	.2	1.3	1.9	1.3	.3							5.1	9.6
NE	.2	1.0	1.6	.8	.3							4.2	9.2
NNE		1.0	.8	.1								1.8	7.3
E	.2	.6	.9	.1	.3							2.2	8.6
ESE	.5	.4	.8									1.7	5.8
SE	.2	1.3	1.1									2.6	6.3
ESE		.2	.8									2.9	5.9
S	.5	2.7	2.6	1.2								7.0	7.7
SSW	.6	3.0	1.0	1.1								6.4	7.2
SW	.5	3.1	3.3	3.1								10.1	8.9
SSW	.4	4.0	5.0	2.4	.1							12.5	8.5
W	.7	3.1	3.1	.8								7.2	7.2
WNW	.1	1.0	.4	.3								1.8	6.6
NW	.3	1.5	.5	.4								2.6	6.9
NNW	.2	1.0	.4	.1								1.7	5.8

VARIABLE

CALM

TOTALS

23.3

100.0

1.6

TOTAL NUMBER OF OBSERVATIONS: 529

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 MARSHALL ISLANDS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANG R MA PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(LST): ALL

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.2	.3	1.8	1.7	.6	.1						6.4	9.7
NNE	.2	1.2	2.4	2.9	.5	.1	.0					7.3	11.0
NE	.1	1.5	2.6	2.0	.6	.1						6.8	10.4
NNE	.2	.8	1.0	.5	.2							2.8	9.0
E	.2	.8	1.0	.2	.1							2.4	7.8
ESE	.2	.7	.8	.3	.1							2.0	4.2
SE	.1	1.1	1.2	.3								2.7	7.2
SSE	.1	1.5	1.5	.3								3.5	7.3
S	.2	2.8	3.6	2.0	.1	.0						8.7	8.6
SSW	.2	1.8	2.6	2.0	.2	.0						6.8	9.4
SW	.3	1.9	3.1	3.3	.5	.1						9.2	10.4
WSW	.2	2.6	4.5	3.5	.6	.0						11.5	9.9
W	.3	2.1	3.0	1.4	.2	.0						7.1	8.8
WNW	.1	.9	1.0	.6	.1							2.6	8.5
W	.2	1.1	.8	.5	.1							2.9	8.4
NNW	.2	1.1	.6	.4	.0							2.3	7.3

VARIABLE

CALM
 TOTALS

3.2 23.8 31.6 22.1 4.0 .5 .0 15.0 100.0 7.9

TOTAL NUMBER OF OBSERVATIONS: 7437

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 DATA SET 1A FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MNC

STATION NUMBER: 725600 STATION NAME: OTIS ANG PMA

PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	.2	1.5	.5							5.8	7.9
NE	.4	.6	.6	1.0	.3						2.9	9.8
E		.4	.2	.6			.1				1.4	10.7
ENE	.1	.4	.3								1.0	5.8
E	.1	.4	.8	.1	.1						1.6	8.6
ESE	.1	.3	.2								.7	5.7
SE		.7	.6	.1							1.0	8.2
SSE	.3	1.0	.7	.1							1.8	9.4
S	.2	.2	1.1	1.0							4.6	7.7
SSW	.6	.9	1.7	.9	.1						6.1	7.4
SW	.8	3.5	2.7	1.7	.2						9.2	7.5
WSW	.9	3.2	3.0	2.0	.2						12.0	7.5
W	.4	6.8	3.9	1.1							11.2	6.5
WNW	.2	1.8	1.4	.6							4.2	7.6
W	.1	1.2	.6	.1							3.0	6.0
WNW	.1	2.6	1.1	.2							4.0	6.3

VARIABLE

CALM

TOTALS

29.6

100.0

.1

TOTAL NUMBER OF OBSERVATIONS: 600

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 WAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725080 STATION NAME: OTIS ANCP MA PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(UT): 0300-0500

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.4	1.6	2.7	.3	.2	.1						7.4	7.5
NNE	.1	1.6	1.0	1.1	.4	.1						4.3	9.7
NW	.3	1.3	1.0	.2								2.9	6.6
E		.2	.6		.2							.9	10.5
ESE	.1	.7	.3		.1							1.2	7.2
SE		.1	.2									.3	7.0
SSW			.2		.1							.3	11.7
S	.1	1.3	.1									1.6	4.9
SSW	.2	2.1	1.6	.6								5.4	6.8
SW	.6	2.1	1.4	1.0	.1							5.2	7.6
WSW	.2	2.6	1.8	1.1								8.7	6.9
W	.7	3.7	3.1	1.4								8.9	7.6
WNW	.6	4.3	2.4	1.3								8.7	7.0
NW	.2	4.2	2.1	.3								4.9	7.0
WNW	.7	1.4	.6									2.2	5.9
WNW	.2	2.9	1.0	.1								4.2	6.0

VARIABLE

CALM	4.0	24.1	14.7	8.1	1.1	.2						32.8	11111
TOTALS												100.0	4.9

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 UCAFC/TAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725000 STATION NAME: OTIS ARGB MA

PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(IST): 0600 0600

WIND SPEED IN KNOTS

DIRECTION (060-090)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.1	2.6	2.6	1.1	.4							6.8	8.8
NNE		.4	1.8	1.4	.9	.7						6.8	10.3
NE	.1	1.7	2.3	.7	.3							4.7	9.0
NNE	.1	1.0	1.2	.7								3.0	7.7
E	.1	.1	.4	.2								.9	8.3
ESE	.4	.6	.2	.1								1.3	5.0
SE	.1	.1	.3									.4	8.0
SSE		.6	.7	.2								1.4	7.9
S	.7	2.4	1.9	.6								5.6	6.7
SSW	.7	3.0	3.6	.3								7.4	7.2
SW	.1	2.1	3.6	1.8	.7							8.2	9.5
WSW	.7	2.7	3.9	.8								8.3	7.8
W	1.0	5.7	4.8	2.2	.7							13.9	7.7
WNW	.1	2.9	2.4	1.0								6.4	7.8
NW	.1	2.1	1.7	.8	.1							4.8	7.7
NNW	.4	2.1	1.8	.8								6.2	7.0

VARIABLE

CALM	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
TOTALS	4.0	33.4	33.2	12.7	2.7	.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 700

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/CTAC FROM HOURLY OBSERVATIONS
 AWP WEATHER SERVICE/PAC

STATION NUMBER: 725063 STATION NAME: OTIS ANGE WA PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.1	1.1	2.6	1.0	.4						5.2	9.8
NNE	.1	1.3	2.4	2.4	1.4	.2					9.0	11.9
NE	.1	2.2	2.7	2.2	.1	.1					7.4	9.2
ENE		1.2	1.0	.6							2.8	7.8
E	.3	.9	.8	.3							2.3	7.0
ESE			.4	.2							.7	10.3
SE		.9	.7								1.6	6.9
SSE	.1	.8	1.9	.6							3.3	8.6
S	.2	2.3	3.6	1.2							7.3	8.2
SSW	.1	.9	3.1	2.0	.6						6.7	10.4
SW	.4	1.9	2.7	3.3	.8	.1					9.7	10.8
WSW	.2	2.7	5.7	3.3	.3						12.2	9.4
W	.2	3.0	4.1	3.8	.4						11.6	9.5
WNW	.1	2.1	2.2	1.3	.1						6.3	8.7
NW	.4	1.2	1.8	1.2	.3						5.0	9.4
NNW		1.4	1.2	1.1							3.9	9.8

VARIABLE												
CALM	////////////////////										6.0	////
TOTALS	2.6	24.0	36.9	25.6	4.6	.4					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 CDAFLITAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725000 STATION NAME: OTIS ANG B MA PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N		1.1	1.4	1.3	.6	.2						4.7	11.5
NNE	.1	1.2	1.9	2.1	1.2	.1						6.7	11.7
NNE	.1	.9	3.1	1.7	.4		.1					6.3	10.4
NNE	.1	1.7	1.9	.9								4.6	8.0
N		1.2	1.0	.2								2.4	7.8
NNE		.7	.7	.1								1.4	7.1
NNE		.6	1.2	.3								2.1	8.5
NNE		.7	2.3	.4								3.4	8.8
N	.1	4.2	4.7	2.2	.3							9.6	9.1
SSW	.1	1.1	4.0	3.2	.6	.1						9.1	10.8
SW	.2	1.0	5.6	6.7	.7	.1						14.2	11.4
WSW	.2	1.7	5.6	8.3	1.2							17.0	11.4
W	.2	1.6	3.9	3.4	.8							10.1	10.5
WNW			.7	1.0	.1							1.8	12.1
W	.1	.4	1.2	.3		.1						2.2	9.6
WNW	.2	.4	.6	.4	.1							1.8	9.1

VARIABLE													
CALM												2.6	////
TOTALS	1.6	16.7	40.0	30.4	6.0	.7	.1					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS AINCE MA PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(LST): 1500-1700

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.2	.9	.6	1.6	.3	.1						3.7	11.1
NNE		1.0	1.7	2.1	.7	.7						5.8	12.7
NF		1.3	3.0	1.0		.1						5.4	9.2
ENE		1.4	1.2	.3								3.0	7.5
E		2.0	.7	.2								2.9	6.3
ESE	.2	.4	.6	.7								1.9	8.4
SE	.4	1.0	1.0	.3	.1							2.9	7.2
SSE	.1	1.7	4.1	.2								6.1	7.9
S	.1	2.6	4.2	1.2								8.1	8.0
SSW	.2	1.7	4.8	3.3	.7	.1						10.8	10.5
SW	.2	1.1	6.1	4.0	.4	.2						17.2	11.9
WSW	.1	1.2	6.9	8.8	1.1							18.1	11.6
W	.1	.9	2.3	2.7	.9							7.9	11.4
WNW		.2	.4	.4	.6							1.7	12.9
NW			.4	.8								1.2	12.3
NNW			.6	.1								1.0	9.4

VARIABLE

CALM	1.8	17.4	38.9	32.5	4.8	1.0	2.3	////
TOTALS							100.0	10.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGE WA

PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(LST): 1800-2000

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL %	MEAN WIND
N		1.0	1.3	1.3		.3						4.0	10.1
NNE	.1	1.6	.6	1.1	.3	.3						4.4	11.7
NE		2.2	1.0	.1	.1							3.4	6.8
ENE		1.1	.9	.4								2.4	7.5
E	.3	1.0	.2									1.7	5.1
ESE		.6	.6									1.1	7.0
SE	.2	1.2	1.2									2.7	6.7
SSE	.9	1.8	1.6	.1								4.3	5.9
S	1.0	4.2	1.9	.2								7.3	6.0
SSW	.2	3.6	5.6	2.2	.1							11.7	9.6
SW	.6	3.0	6.2	2.9	.3							13.0	9.1
WSW	.4	4.0	9.7	4.7	.1							18.9	9.1
W	.1	2.5	4.2	1.3	.2							9.7	8.4
WNW	.1	.7	1.4	.2	.1	.1						2.7	8.9
NW	.1	.7	.4	.7								1.9	3.6
NNW	.1	.4	.7									1.2	7.4

VARIABLE

CALM

TOTALS

4.2 29.6 57.6 13.3 2.1 .4 10.6 7.5

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGFB MA

PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(LST): 2100-2300

DIRECTION (GLOPES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.3	1.7	1.6	1.1	.2						4.9	8.8
NNE	.3	1.4	.6	1.0	.3	.4					4.1	10.8
NE	.3	1.3	.1	.1	.1						2.0	5.9
ENE	.3	.9	.4	.1							1.8	5.9
E	.1	1.1	.2	.3							1.8	6.4
ESE		.3	.1	.2							.7	8.7
SE	.3	.3	.6	.1							1.3	6.7
SSE	.1	.7	.4	.2							1.4	7.0
S	.2	2.2	1.6	.4							4.4	7.1
SSW	.2	1.8	2.3	1.6							9.1	7.4
SW	.7	6.4	4.1	1.0	.1						12.3	6.9
WSW	.9	5.9	4.0	2.3	.1						13.2	7.5
W	.7	5.7	3.2	.7	.1						10.0	6.7
WNW	.1	.7	1.4	.3		.1					2.7	8.6
NW		1.7	.8	.3	.3						3.1	7.8
NNW	.2	1.4	.7	.1							2.1	5.6

VARIABLE											25.0	////
CALM											100.0	5.6
TOTALS	4.9	36.4	21.8	10.0	1.3	.6						

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS AVEB MA PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(LST): ALL

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.2	1.8	1.8	1.1	.3	.1						5.3	9.2
NNE	.2	1.4	1.3	1.5	.8	.2						5.4	11.2
N	.1	1.4	1.7	.8	.1	.0	.0					4.2	8.8
NNE	.1	1.0	.9	.4	.0							2.4	7.6
E	.1	.9	.6	.2	.0							1.8	7.0
ENE	.1	.4	.4	.2								1.0	7.3
E	.1	.6	.7	.1	.0							1.5	7.5
ESE	.2	1.1	1.4	.2								2.9	7.3
S	.3	2.7	2.6	.9	.0							6.5	7.6
SSW	.7	2.6	3.3	1.8	.3	.0						8.9	
SW	.4	3.1	4.1	2.5	.4	.1						11.6	9.5
WSW	.4	3.6	5.3	3.9	.4							13.6	9.3
W	.4	3.8	3.5	2.2	.2							17.2	8.4
WNW	.1	1.3	1.5	.7	.1	.0						3.8	5.5
NW	.1	1.2	1.0	.5	.1	.0						2.9	7.2
NNW	.2	1.5	1.0	.4	.0							7.1	7.1

VARIABLE

CALM 15.7 /

TOTALS 3.4 28.7 55.0 18.5 2.9 .5 .0 100.0 7.4

TOTAL NUMBER OF OBSERVATIONS: 1700

GLOBAL CLIMATOLOGY BRANCH
JCAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725063 STATION NAME: OTIS ANGEL MA

PERIOD OF RECORD: 77-86

MONTH: JUL HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	3.3	.8								4.5	5.5
NNE	.3	.6	.4		.5						1.9	9.7
NE	.2	.3	.1	.1	.1						.9	7.3
NNE		.5	.2	.1							1.0	7.3
E	.1	.1	.2								.4	5.8
ESE	.2	.2	.1								.5	4.8
SE		.4	.5								1.0	7.7
SSE	.1	.2	.1								.4	5.5
S	.9	2.0	.9	.6							4.4	6.4
SSW	.6	2.4	2.3	.4	.2						5.9	7.3
SW	.8	4.9	3.5	1.3	.1	.1					11.3	7.7
WSW	1.1	6.6	6.5	1.9	.1						16.1	7.5
W	.9	3.2	3.9	1.0							10.9	6.8
WNW	.5	1.7	.9								3.1	5.6
W	.6	1.4	.5								2.6	4.8
NNW	.3	2.0	.6	.1							3.1	5.6

VARIABLE

CALM	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	31.9	////////
TOTALS	7.1	32.0	21.6	6.1	1.1	.1					103.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANG FWA

PERIOD OF RECORD: 77-86
 MONTH: JUL HOURS(LST): 0300-0500

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.4	1.9	1.1	.3								3.8	6.5
NNE	.2	1.4	1.6	.4								3.0	7.3
NLE	.1	.4	.3	.1	.1							1.1	6.5
ENE	.1	.6	.1									.9	6.6
E		.6	.6									1.2	6.6
ESE		.1	.1	.1								.2	6.0
SE	.1	.4	.1									.6	5.3
SSE	.2	.9										1.1	4.4
S	.2	1.1	1.8	.1								3.2	7.5
SSW	.5	2.4	1.6	.8	.1							5.4	7.2
SW	.5	3.5	3.4	1.8								9.4	7.7
WSW	.9	6.7	4.6	1.5	.2							13.9	7.2
W	.9	5.1	2.9	.6								9.5	6.4
WNW	.5	.8	1.0									3.5	5.6
NW	.5	2.3	1.5	.1								4.4	6.0
NNW	.9	3.7	.6									5.4	5.1

VARIABLE

CAL	////////	////////	////////	////////	////////	////////	////////	////////	////////	////////	////////	33.5	////
TOTALS	6.1	53.0	21.1	6.9	.4							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 CRAFTAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725260 STATION NAME: OTIS ANGEL MA PERIOD OF RECORD: 77-86
 MONTH: JUL HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-7	8-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	56		
N	.2	1.0	2.4	1.2	.3						5.1	9.4
NNE	.1	1.7	2.0	2.2	.4						6.5	10.1
NE	.1	1.0	2.5	1.0							4.5	8.6
NNE	.1	.8	1.0								2.0	7.1
E	.2	1.7	.4	.1	.3						2.4	8.0
ESE		.6	.4								1.2	6.4
SE	.2	.9	1.1	.1							2.3	7.0
SSE	.1	1.0	1.0	.4							3.5	7.9
S	.2	.2	3.2	.6	.2						6.5	7.9
SSW	.2	1.0	2.0	1.1	.2	.1					5.6	9.0
SW	.3	.3	2.0	.5	.2						8.9	9.5
WSW	.2	2.0	6.0	6.2	.9						16.7	10.5
W	.2	4.0	6.7	2.7							14.2	8.3
WNW	.1	1.0	1.9	1.1	.1						5.2	8.3
NW	.1	1.6	2.4	.6	.1						4.8	8.2
NNW	.1	.4	1.0	.5	.2	.2					3.0	10.5

VARIABLE												
CALM	////////////////////										7.7	////
TOTALS	2.7	20.1	38.9	21.3	3.0	.3					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 420

USUAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 MAPETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS AFB MA

PERIOD OF RECORD: 77-86
 MONTH: JUL HOURS(UT): 1200-1400

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.1		1.3	.6	.1							2.3	9.9
NNE	.1	.9	2.5	1.2	.6							6.0	10.6
NE	.2	1.1	2.0	1.4								4.7	9.1
ENE	.2	1.2	1.5	.6								3.5	8.0
E		.4	.6	.1	.2							1.4	9.1
ESE		.5	.8	.2								1.5	7.9
SE	.1	1.0	.8	.1								1.9	6.9
SSE	.1	1.9	2.2	.2	.1							4.5	7.6
S	.2	2.6	4.8	.9	.1							8.6	8.2
SSE		1.4	4.7	3.3	.4							9.9	10.4
SSW	.1	1.6	6.2	5.3	.6							14.4	10.8
SW	.1	1.0	9.1	10.3	.0							22.4	11.1
WSW		1.2	4.4	2.4	.5							8.5	10.2
W	.1	.9	1.3	.5								2.8	8.2
WSW		.2	.8	1.0								1.9	11.2
WNW		.2	.3	.1	.2							.0	11.4

1.9 11.0 43.3 29.7 3.9 4.7 100.0 9.5

40-A183 452

OTIS ANGB MASSACHUSETTS REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. 12 JUN 87
USAFETAC DS-87 040 FIG 4/2

2/4

UNCLASSIFIED

NL



MICROCOPY RESOLUTION TEST CHART

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGR MA

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N		.2	.8	.4							1.4	9.2
NNE	.1	.4	1.3	.6							2.5	9.0
NE	.2	1.1	1.9	1.1							4.3	8.9
ENE	.1	.8	1.6	.4	.2						3.1	9.0
E	.1	.8	.8	.2							1.8	7.4
ESE	.1	1.1	1.2	.1							2.5	7.5
SE	.2	1.6	1.5								3.3	6.4
SSE	.1	1.7	1.5	.1							3.4	6.8
S	.8	3.8	5.2	.9							10.5	7.2
SSW	.1	2.8	5.6	2.0	.9						12.4	9.7
SW		.0	7.7	5.9	.4	.1					16.2	10.5
WSW		1.3	9.0	12.7	1.5	.1					24.6	11.8
W	.1	.4	2.7	3.3	.3						6.9	11.5
WNW	.1	.1	.3	.9							1.4	10.9
NW		.2	1.0	.9	.2						2.3	11.4
NNW		.1	.3	.6	.2						1.3	12.2

VARIABLE

CALM

TOTALS

2.0 100.0 9.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 WAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 705002 STATION NAME: OTIS ANGEL MA PERIOD OF RECORD: 77-86
 MONTH: JUL HOURS(IST): 1800-2000

DIRECTION (OCCURS)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.5	.6	.6	.4							2.3	6.9
NNE	.7	.8	.6	.2							1.9	7.1
NE	.2	1.0	.1								1.3	4.7
NNE	.2	.0	.4	.2	.1						1.9	7.4
E	.2	.0	.0								1.1	6.6
ESE	.1	.6	.4								1.2	6.2
SE	.1	1.5	1.0								2.6	5.9
SSE	.2	.0	.6								3.8	5.1
S	1.3	.0	2.7	.3							10.2	5.9
SSE	.4	.0	2.4	1.6	.2						9.3	7.9
SE	.2	.0	6.0	3.4	.2						15.6	8.6
SSE	1.4	.0	6.6	7.0	.4						24.4	9.1
E	.1	.0	4.4	1.0							8.8	8.6
ENE	.2	.0	.4	.3							1.2	7.9
ENE	.2	.2	.1	.2							.9	7.1
ENE		.4	.0	.0	.1						1.7	9.5

VARIABLE											11.8	//////
CALC											100.0	7.0
TOTALS	5.0	5.7	31.9	16.5	1.2							

TOTAL NUMBER OF OBSERVATIONS: 129

NAVAL AIRMILITARY BRANCH
 WASHINGTON, D.C.
 6th WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 75000 STATION NAME: OTIS ANG W A PERIOD OF RECORD: 77-86
 MONTH: JUL HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50		
N	0.2	1.0	1.0	0.2							3.0	6.4
NNE		0.1	0.4	0.2	0.2						1.2	10.8
NNE	0.2	0.6									0.8	4.6
NNE	0.2	0.2	0.2	0.1	0.1						1.1	7.6
E	0.1	0.2	0.2								0.6	6.8
ESE	0.1	0.1	0.4								0.6	7.0
E	0.6	0.6	0.3								1.2	5.5
ESE	0.6	0.6	0.6								2.8	5.0
S	0.2	0.6	1.0	0.3							7.3	5.6
SSE	1.0	0.6	1.0	1.1							9.0	6.8
SSE	1.0	0.7	1.0	1.7	0.6						12.9	7.5
SSW	1.0	0.2	1.0	1.0							18.6	8.0
W	0.2	0.6	1.0	1.0				0.1			11.6	7.1
WSW	0.2	0.6	0.4								1.4	5.6
W	0.1	0.6	0.4								1.4	5.4
WNW		1.0	0.2	0.3							2.2	7.0

.....											
VARIABLE										
COUNT	////////////////////									24.3	////
TOTALS	7.0	0.3	0.6	0.1	1.0	0.1				100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 100

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 -CAPETAC
 AIR WEATHER SERVICE/MAL

STATION NUMBER: 725002 STATION NAME: OTIS ANG FWA

PERIOD OF RECORD: 77-86
 MONTH: JUL HOURS(IST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	1.6	1.4	.5	.1						3.7	7.4
NNE	.2	1.0	1.3	.4	.2						3.5	9.2
NF	.2	.8	.6	.5	.1						2.5	8.3
ENE	.1	.4	.2	.2	.1						1.9	7.6
E	.1	.5	.5	.1	.1						1.3	7.5
ESE	.1	.5	.1	.2							1.0	6.9
SE	.1	.4	.7	.3							1.8	6.3
SSE	.2	1.5	.9	.1	.6						2.7	6.4
S	.6	3.0	2.4	.5	.1						6.9	6.9
SSW	.4	2.5	7.1	1.5	.7	.1					7.8	8.5
SW	.4	1.6	4.6	3.2	.3	.1					12.3	9.0
WSW	.7	4.5	7.1	5.4	.5	.2					18.6	9.5
W	.4	3.7	4.7	1.6	.1	.1					10.1	8.1
WNW	.2	1.2	1.7	.3	.2						2.8	7.2
WW	.2	1.4	1.3	.4	.1						3.4	7.5
WNW	.2	1.2	.6	.4	.1	.1					2.7	7.5

VARIABLE

CALC

TOTALS

16.8
100.0
6.9

TOTAL NUMBER OF OBSERVATIONS: 7439

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/ETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725000 STATION NAME: OTIS ANG W A

PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(IST): 0000-0200

DIRECTION (DEGREES)	1-5	6-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL Σ	MEAN WIND
N	.5	1.6	1.1		.1						3.3	6.0
NNE	.2	1.5	1.4	.3	.1						3.5	7.3
NE	.1	1.4	.2	.5	.1	.1					2.5	8.5
NNE		.5	.6	.4							1.6	8.6
E	.1	.2	.6								1.1	6.7
ESE	.1	.2	.1								.4	4.8
SE	.1			.1							.2	10.0
SSE		.4	.6	.2							1.3	7.4
S	.3	1.5	1.4	.2							4.4	6.1
SSW	.5	1.4	1.4	1.1	.1						6.6	7.1
SW	.9	4.5	1.6	.6							7.8	6.2
WSW	.9	5.2	4.4	2.5							12.9	7.7
W	2.0	4.2	3.0	.4	.1						10.1	6.4
WNW	.6	1.2	.5	.3							2.8	6.0
NW	.5	1.2	1.0								3.7	5.4
NNW	.8	.9	.1	.1							1.8	4.6

VARIABLE

CALM

35.9

TOTALS

100.0

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANCH WA PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(SLT): 0300-0500

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	1.0	3.0	1.9	.3	.2							6.5	6.5
NNE	.2	1.6	1.2	.6	.2	.1						4.0	8.8
NE	.1	1.0	1.0	.4	.2							3.0	9.0
NNE	.3	.4	.1	.3								1.9	7.2
E	.2	.4	.3									1.0	5.2
ESE	.1			.1							.2	.2	7.5
SE	.1	.1									.2	.2	2.5
SSE	.1	.3	.1	.2							.8	.8	8.3
S	.4	3.3	1.2	.5								4.6	7.1
SSE	.6	2.7	1.6	.2	.1	.1						5.7	7.2
SW	.2	2.4	2.0	1.0								7.3	6.7
WSW	.9	3.7	4.2	1.4	.1							10.2	7.4
W	.2	1.5	1.6	1.2	.2							8.7	6.8
WNW	.4	.9	.6	.3	.1							2.4	7.1
W	.4	3.0	1.3	.1								4.8	6.0
WNW	.2	1.4	.6	.1								4.0	5.0

VARIABLE	TOTAL	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
WIND	7.0	3.0	1.0	1.2	.2	34.7	4.5

TOTAL NUMBER OF OBSERVATIONS: 030

CHANGE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH
USAF/LTAC
AIR WEATHER SERVICE/MAC

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 0600-0800

[illegible]

DEPENDENT VARIABLE

CALM

TOTALS

19.0	////
100.0	6.9

1.5

27.8

7-8 3:4

—

TC 1 A 1

TOTAL NUMBER OF OBSERVATIONS: 637

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(LST): 0900-1100

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.3	1.0	1.9	1.8	.2							5.3	9.7
NNE	.2	1.0	3.9	3.2	.2							8.5	10.3
NE	.4	.3	3.8	1.9	.3	.1						8.8	9.1
ENE	.2	1.5	1.9	.6	.2	.1						4.6	8.7
E	.5	1.1	.6	.2								2.5	6.3
ESE	.1	.9	.4	.1								1.5	6.0
SE		.4	.0									1.3	7.8
SSE	.1	1.3	.8	.1								2.3	6.4
S	.5	1.7	2.6	1.5								6.3	8.4
SSW		2.2	3.0	.3	.2	.2						5.9	8.6
SW	.3	2.0	4.5	2.2	.2							9.2	9.2
WSW	.4	2.4	5.8	5.3	1.2							15.1	10.6
W	.2	2.4	4.5	1.9	.1							9.1	8.8
WNW	.4	1.7	1.7	.6	.4							5.1	8.8
NW	.2	.9	1.6	.2	.2							3.1	8.1
NNW	.2	1.1	1.1	.5	.3							3.2	8.8

VARIABLE

CALM

TOTALS

8.2

100.0

3.7

20.8

39.0

23.7

8.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 SAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 725000 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.2	1.1	1.4	.9							3.6	8.8
NNE	.2	1.7	3.6	1.7	.2						7.4	9.2
NE	.1	2.7	3.9	1.9	.4						9.0	8.9
NNE	.1	1.7	1.5	1.1	.6						5.1	9.5
E	.1	1.5	.4	.2	.1						2.4	6.9
ESE	.1	.4	.8	.3							1.6	8.1
SE		1.1	1.1	.3							2.5	7.3
SSE	.1	1.2	1.8	.6							3.8	8.2
S		1.1	4.3	1.2	.2						6.8	9.2
SSW	.1	1.1	3.2	1.9	.3						6.7	9.9
SW	.1	.6	7.4	5.0	.9						14.0	11.1
WSW		1.7	6.8	7.2	1.0						16.7	11.2
W	.1	1.4	5.1	1.8	.8						9.1	9.9
WNW	.3	.8	1.2	.6	.4	.1					3.4	10.3
NW		.4	1.3	.2	.2						2.2	9.5
NNW		.8	1.2	.2	.1						2.3	9.1

VARIABLE												
CALM	////////////////////										3.6	////
TOTALS	1.6	19.3	44.9	25.3	5.3	.1					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGR MA

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N		.3	.9	.3	.1						1.6	9.5
NNE	.3	2.2	3.1	1.3	.1						7.0	8.3
NE	.3	2.8	2.6	1.4	.5						7.6	8.5
ENE	.2	2.0	2.9	.9	.1						6.1	8.2
E	.4	1.1	1.0								2.5	5.6
ESE	.4	.8	.4								1.6	5.4
SE	.1	1.7	.9	.1							2.8	6.3
SSE	.4	2.5	1.9	.3							5.2	6.7
S	.1	2.6	4.0	.9							7.5	8.1
SSW	.3	1.1	3.2	1.1	.2						5.9	8.8
SW		1.1	6.8	5.8	.4	.1					14.2	11.0
WSW	.3	2.6	9.1	9.9	1.2						23.1	10.9
W		1.1	3.2	2.0	.5	.1					7.0	10.9
WNW		.1	.6	.5	.2						1.5	11.6
NW			.9	.3	.1						1.3	11.0
NNW		.4	.3	.2							1.0	8.0

VARIABLE

CALM

TOTALS

4.1
100.0
9.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N		.6	.3	.2	.1						1.3	8.9
NNE	.2	1.7	.5	.4							2.9	6.6
NE	.9	1.6	1.4	.9	.1						4.8	7.2
ENE	.4	2.3	1.2	.5	.1						4.5	7.0
E	.3	.6	.6	.1							1.7	6.3
ESE	.5	1.1	.2	.2							2.0	5.3
SE	.8	.8	.6	.1							2.3	5.3
SSE	.6	3.1	.8								4.5	5.0
S	1.1	3.4	2.0	.2							6.8	5.8
SSW	.5	1.2	3.5	1.3							8.6	7.6
SW	1.2	4.5	6.3	1.6	.1						13.8	7.5
WSW	.6	5.1	7.3	4.0	.5						17.5	8.7
W	.3	3.5	4.3	1.0	.6						9.8	8.4
WNW		.4	1.0	.3	.1						1.8	10.0
NW	.1	.5	.3								1.0	6.4
NNW	.1	.2	.3	.3							1.0	8.1

VARIABLE

CALM	15.7	////
TOTALS	7.7	32.8 30.9 11.2 1.7 100.0 6.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANG2 MA

PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(IST): 2100-2300

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.1	1.3	.9	.2								2.5	6.7
NNE	.9	.4	.8	.5	.1							2.7	7.3
NE	.2	1.3	.8	.1	.3							2.7	8.0
ENE	.4	1.0	.8	.3	.1							2.6	7.0
E	.1	.5	.4		.1							1.2	7.7
ESE	.1	.6	.3	.1								1.2	6.4
SE	.1	.5	.1								.8		4.6
SSE	.3	.9	.1									1.3	4.3
S	1.5	3.1	1.3	.3								6.2	5.5
SSW	1.1	3.9	2.4	.9								8.2	6.5
SW	.9	5.5	3.0	1.4								10.6	6.9
WSW	1.6	6.2	4.8	1.5	.3							14.5	7.3
W	1.6	4.7	2.0	1.2	.6							10.2	7.3
WNW	.5	.6	.3	.4	.1							2.0	7.5
NW	.1	1.2	.8	.2								2.3	6.6
NNW	.4	.8	.2									1.4	4.3

VARIABLE

CALM	////////////////////	29.7	////
TOTALS	9.9 32.6 18.9 7.2 1.7	100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/ETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANG B MA

PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(LST): ALL

DIRECTION (DEGREES) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56 TOTAL MEAN WIND

N	.3	1.5	1.5	.6	.1						4.0	7.7
NNE	.4	1.6	2.0	1.2	.2	.0					5.4	8.6
NE	.3	1.8	1.5	1.0	.3	.0					5.4	6.5
ENE	.3	1.3	1.3	.6	.2	.0					3.7	8.2
E	.3	.8	.6	.1	.0						1.8	6.4
ESE	.2	.5	.3	.1							1.1	6.0
SE	.1	.6	.5	.1							1.3	6.4
SSE	.3	1.3	.8	.2							2.6	6.4
S	.6	2.3	2.3	.7	.0						5.9	7.2
SSW	.4	2.5	2.6	.9	.1	.0					6.6	7.8
SW	.6	3.1	4.4	2.3	.2	.0					10.6	8.6
WSW	.6	3.9	5.9	4.3	.6						15.2	9.3
W	.7	3.5	3.3	1.4	.4	.0					9.4	8.0
WNW	.4	.9	.9	.5	.2	.0					2.9	8.4
NW	.2	1.2	1.1	.2	.1						2.8	7.2
NNW	.4	1.0	.6	.3	.1						2.4	6.7

VARIABLE

CALM

TOTALS

18.9 100.0 6.6

TOTAL NUMBER OF OBSERVATIONS: 7439

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGR MA

PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(LST): 0000-0200

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	.2	3.2	1.6	.6								5.6	6.8
NNE	.7	2.2	1.0	1.0	.1							5.0	7.0
NE	.3	1.3	1.8	.6								4.0	7.6
ENE	.1	1.6	1.1	.1	.1							3.0	7.0
E	.2	.9	1.8	.1								3.0	7.4
ESE		.6		.2								.8	7.1
SE		.6	.2									.8	5.7
SSE		.2	.7									.9	7.3
S	.1	.9	.7	1.0								2.7	8.9
SSW	.3	.9	2.0	.3	.1							3.7	8.3
SW	.2	1.4	2.8	1.4	.1	.1						6.1	9.1
WSW	1.4	2.0	4.1	2.0	1.1							10.7	9.1
W	.7	1.7	1.7	1.6	.2							5.8	8.6
WNW	.2	.9	.6									1.7	5.5
NW	.9	1.3	.9									3.1	5.2
NNW	.7	4.0	1.0	.1	.2							6.0	5.9

VARIABLE

CALM	37.3	////
TOTALS	6.1	23.7
	21.6	9.3
	2.0	.1
	100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANG R MA

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS: 0300-0500

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.6	3.0	1.6									5.1	5.9
NNE	.6	4.7	2.0	.4	.1							5.8	7.0
NE	.2	2.7	1.2	1.3								5.9	8.0
NNE	.2	.7	1.4									2.3	7.3
E	.2	1.4	1.6	.3								3.6	7.0
ESE	.2	.2	.7									1.0	8.2
SE	.2	.4		.1								.8	5.0
SSE	.7	.2	.2									.8	5.3
S	.1	.4	1.4	.3								2.7	8.0
SSW	.2	.6	1.6	.7	.3	.2						3.6	10.5
SW	.2	1.6	1.6	.4	.1							3.9	7.8
WSW	.7	2.9	3.3	1.4	.7							8.7	8.9
W	.3	1.1	1.0	1.0	.4							5.2	8.9
WNW	.2	1.6	.6	.3								2.7	6.5
W	.3	2.0	.4									2.8	4.9
NNW	.4	3.7	.9	.2								5.2	5.5

VARIABLE

CALM	40.1	////
TOTALS	100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATELOGY FRANCH PER CENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 JAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725607 STATION NAME: OTIS ANG W A

PERIOD OF RECORD: 77-86
 MONTH: SEP MONTHS: 06-08-00

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30		
N	0.7	0.4	0.0	0.0	0.0	0.1					0.8	7.1
NNE	0.0	0.4	1.0	1.0	0.1						2.5	8.1
NE	0.3	0.4	1.0	1.0	0.1						2.8	8.7
ENE	0.6	1.4	0.4	0.0							2.4	7.8
E	0.6	1.2	1.0	0.2							2.8	6.6
ESE	0.0	0.0	0.7	0.4							1.1	6.6
SE	0.4	0.4	0.4								1.6	6.8
SSE	0.1	0.2	0.4								0.7	7.0
S	0.2	1.0	0.6	0.0							1.8	7.3
SSW	1.4	1.0	1.0	1.0	0.1	0.2					4.7	6.8
SW	0.1	0.0	0.1	0.0							0.2	7.1
WSW	0.7	1.0	0.4	0.2	0.0						2.3	6.7
W	0.7	0.1	0.7	1.1	0.2						3.8	6.1
WNW	0.7	0.7	1.0	0.0							3.4	7.7
Wsw	0.0	1.0	1.0	0.7							3.7	7.7
WNW	0.0	0.0	0.7	0.0							0.7	7.1

.....												
WINDSPEED											
WIND											
TOTAL	0.0	0.1	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
.....												

TOTAL NUMBER OF OBSERVATIONS:

METEOROLOGICAL DATA - PRESENTED IN ORDER OF OBSERVATION - SURFACE WIND DIRECTION VERSUS WIND SPEED
 STATION: 1000
 AIR STATION: 1000/0000

STATION NUMBER: 1000 STATION NAME: 1000/0000
 PERIOD OF RECORD: 77-86
 MONTH: SEP MONTHS: 1000-1100

DIRECTION (DEG)	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	TOTAL	MEAN WIND
N	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	7.1	9.0
NNE	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	9.2	10.5
NNE	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	6.7	10.1
NNE	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	7.2	10.6
NNE	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	6.2	8.6
NNE	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	2.0	8.6
NNE	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	7.1	8.9
NNE	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	1.8	7.8
NNE	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	9.2	8.5
NNE	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	6.1	9.0
NNE	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	6.1	9.9
NNE	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	9.9	11.3
NNE	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	6.9	9.9
NNE	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	5.7	8.8
NNE	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	6.1	9.6
NNE	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	7.9	8.8

VARIABLE	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	TOTAL	MEAN
WIND	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	10.2	8.7

TOTAL NUMBER OF OBSERVATIONS: 1000

GLOBAL CLIMATE LOG - WAGON PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 JAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725760 STATION NAME: OTIS ANG FWA

PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(IST): 1700-1900

WIND SPEED IN KNOTS

DIRECTION (LOGS(5)) 1-3 4-6 7-9 10-16 17-21 22-27 28-33 34-40 41-47 48-55 56 TOTAL MEAN WIND

N	.2	1.0	1.7	1.1	.4					4.4	9.5
NNE	.3	1.7	2.4	4.7	.7	.1				9.0	10.9
NE	.1	1.4	4.7	3.6	.3					10.4	10.1
ENE	.2	1.2	3.0	1.4	.7					7.1	9.8
E	.1	1.2	1.8	.1						3.2	6.9
ESE	.4	.4	1.0	.2						2.3	4.2
SE	.7	.3	1.7	.1	.1	.1				2.3	9.2
SSE	.1	.9	1.2	.3			.1			2.7	8.9
S	.1	1.7	3.7	1.7	.3	.1				6.6	9.7
SSW	.1	1.0	1.9	2.2	.4					9.7	10.4
SW	.7	1.0	3.7	3.6	.4					8.9	10.7
WSW	.1	1.4	4.7	3.9	.6					13.1	11.0
W	.1	1.2	2.0	1.2	.2					6.3	8.9
WNW	.7	1.1	1.2							3.7	10.0
NW	.7	1.2	1.1	.2						3.0	11.1
NNW	.1	.7	1.4	.7	.2					2.4	10.3

VARIABLE	1-3	4-6	7-9	10-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
CALC	1.9	11.9	41.1	29.4	4.6	.4	.1					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS: 100

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 725063 STATION NAME: OTIS ANGEL MA
PERIOD OF RECORD: 77-86
MONTH: SEP HOURS: 1500-1700

.....SLOW IN KNOTS

[illegible]

VARIABLE

CAL 24

TOTALS

3.2

100.0

0.9

TOTAL NUMBER OF OBSERVATIONS: 999

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANCR MA

PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND %
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.4	1.3	.9	.3							1.0	6.4
NNE	.8	1.8	1.7	1.4							5.7	8.0
NF	.4	.8	2.4	.7							6.3	7.1
FNE	.9	.8	2.3	.2							6.2	6.2
E	.6	.1	.8	.2							3.7	5.7
ESE	.7	.9	.7								1.9	4.5
SE	.4	.1	.2								1.8	4.8
SSE	.7	.9	.7	.1							2.4	5.7
S	.7	1.6	.7	1.3	.3						4.2	7.9
SSW	.6	.7	2.8	.6	.1						9.2	6.6
SW	1.1	3.4	7.7	.2	.6	.1					15.9	8.6
SSW	.4	3.6	4.4	7.6	.8	.7	.1				12.1	4.3
W	.6	.8	1.4	1.2							4.0	8.5
WNW	.2	.8	1.4	.3							2.4	7.9
W	.1	.9	1.7	.1	.1						2.2	8.0
WNW	.2	.2	.7	.3							1.2	7.2
=====												
WIND	=====										22.7	////
TOTAL	=====										100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 5

GLOBAL CLIMATELOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 WAFB/TAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 72527 STATION NAME: OTIS ANGEL MA

PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS/ST: 2100-2300

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-9	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND SPEED
N	.3	.0	1.1	.0								4.2	7.3
NNE	.6	.1	1.2	.0								3.8	7.7
NNE	.3	1.7	1.4	.7	.1							4.6	7.8
NNE	.7	.0	.0	.1	.2							3.6	6.3
E	.0	.0	1.4									4.0	5.9
ESE	.3	.0	.3									1.6	5.3
ESE	.1	.0	.1	.1								1.3	6.1
ESE	.1	.7	.0									1.3	6.6
S	.0	1.2	.0	.0								3.4	7.2
SSE	.7	.0	1.7	.6	.1	.1						5.4	7.2
SSE	.7	.0	1.4	2.3	.2							7.8	8.4
SSE	1.0	.0	4.1	2.1	.6							11.0	8.5
S	.0	1.6	.0	1.0	.0							5.0	9.2
WSW	.2	.7	1.1									1.7	7.7
WSW	.4	1.6	1.2	.2	.1							3.9	6.3
WSW	.4	1.7	1.5	.1								3.2	6.1

VARIABLE

CALM

TOTAL

7.2 20.0 19.5 9.7 2.1 .1 34.2 100.0 4.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725C60 STATION NAME: OTIS ANGUS MA

PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(IST): ALL

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	.3	.1	1.8	.7	.1							5.1	7.5
NNE	.5	1.8	2.0	2.0	.2	.0						6.5	9.1
NE	.3	.1	2.5	1.8	.2							6.8	8.8
ENE	.3	1.8	2.3	.8	.1							5.4	8.1
E	.3	1.5	1.6	.3								3.7	6.9
ESE	.2	.7	.6	.1		.0						1.6	7.1
SE	.2	.7	.7	.1	.0	.0						1.8	7.2
SSE	.2	.7	.8	.1				.0				1.8	7.1
S	.3	1.5	1.5	.8	.1	.0						4.3	8.3
SSW	.3	1.9	2.4	1.3	.2	.1	.0					6.3	8.9
SW	.3	1.9	2.0	2.1	.4	.0	.0					7.7	9.4
WSW	.6	2.3	3.9	3.3	.9	.0	.0					11.0	9.9
W	.4	1.7	2.1	1.4	.3							5.9	8.8
WNW	.2	.9	1.4	.5								3.0	8.2
NW	.3	1.1	1.3	.5	.1							3.2	7.8
NNW	.4	1.8	1.2	.4	.1							3.9	7.1

VARIABLE

CALM

22.0

22.0

0.0

.1

.0

.1

.0

.0

.0

.0

.0

.0

.0

.0

.0

TOTALS

100.0

100.0

6.7

6.7

6.7

6.7

6.7

6.7

6.7

6.7

6.7

6.7

6.7

6.7

6.7

TOTAL NUMBER OF OBSERVATIONS: 7199

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGE MA

PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.2	2.7	2.3	.9	.3						6.3	7.8
NNE	.1	1.1	1.5	.1	.2						3.0	7.8
NF	.2	1.5	1.8	.5	.5	.2	.1				4.9	10.0
ENE	.2	1.4	.8	.2	.4						3.0	8.3
E	.2	1.3	.4	.1							2.0	6.1
ESE		.2	.1	.3							.6	9.0
SE	.2	.3	.3	.3							1.2	7.6
SSE	.1	.1	1.0	.3							1.5	8.9
S	.5	1.0	1.3	.5							3.3	7.2
SSW	.1	.6	1.4	.1	.1						2.4	8.5
SW	.2	1.7	1.5	1.4	.4						5.3	9.4
WSW	.1	2.7	3.2	2.2	.3	.1					8.6	9.6
W	.5	1.9	2.9	1.9	.5						7.8	9.3
WNW	.5	2.2	2.7	.8							6.1	7.5
NW	1.2	4.1	2.7	.6							9.6	6.4
NNW	.3	3.0	1.6	.1		.1					5.2	6.6
VARIABLE												
CALM												30.0
TOTALS	4.8	25.8	25.5	10.4	2.9	.4	.1				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS AUBR MA

PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	3.2	2.2	.9	.3						7.2	7.4
NNE	.1	1.2	1.3	.8	.3						3.7	8.9
NE	.2	1.5	1.6	1.0	.3						4.6	8.9
ENE	.1	.6	1.5	.3	.6	.1					3.3	11.1
E		.3	.5	.3	.1						1.3	9.8
ESE	.1	.3	.3	.1							.9	6.9
SE		.2	.3	.1							.6	8.2
SSE	.1	.5	.6								1.3	6.5
S	.4	2.2	.9	.1							3.5	5.9
SSW	.2	1.6	1.0	.4							3.2	7.1
SW	.5	.9	1.5	1.0	.1						4.0	8.8
WSW	.2	1.0	2.2	1.7	.4						5.5	10.1
W	.6	2.5	2.8	2.0	.4						8.4	9.1
WNW	.5	3.3	1.9	.9							6.7	6.9
NW	.3	3.5	2.2	.8							6.8	6.9
NNW	.9	3.7	2.3	.1							6.9	6.1

VARIABLE

//////////////////// 32.2 //

CALM

TOTALS 5.1 26.6 23.0 10.4 2.7 .1 100.0 5.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(LST): 0600-0600

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	3.4	3.2	.3	.1							7.3	7.1
NNE	.2	1.6	1.1	.6	.5	.1						4.2	9.5
NE		1.5	2.5	1.7	.2							5.9	9.6
NNE	.2	1.6	1.4	.9	.6	.1						4.8	9.2
E	.1	1.4	.8	.4								2.7	7.1
ESE	.1	.6	.2	.3								1.3	7.3
SE		.8	.3	.1								1.2	6.6
SSE	.2	.5	.9	.2								1.8	7.8
S	.5	2.2	1.5	.2								4.4	6.3
SSW	.2	.9	1.7	.3								3.1	7.9
SW	.5	1.1	1.0	1.2	.1							3.9	8.7
WSW	.3	1.3	2.4	1.6	.4							6.0	9.4
W	.4	3.2	3.3	1.4	.5							8.9	8.5
WNW	.5	3.7	2.6	1.1	.3	.2						8.5	8.2
NW	.1	4.0	3.1	.8								8.0	7.2
NNW	.3	3.3	2.4	.4	.1							6.6	6.9

VARIABLE

CALM	21.3	////
TOTALS	4.1	31.1
	28.3	11.6
	3.0	.5
	100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86

MONTH: OCT HOURS(LST): 0900-1100

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL %	MEAN WIND
N	.3	1.1	3.3	1.8	.1	.1						6.8	9.6
NNE	.1	1.1	2.6	2.6	.5	.1						7.0	11.0
NE	.2	1.4	3.2	3.0	.4							8.3	10.2
NNE	.2	1.3	1.5	2.0	.4							5.5	10.4
E		.6	1.3	.6								2.6	8.8
ESE		.2	1.3	.9	.1							2.6	10.2
SE	.1	.1	1.6	.2								2.0	8.6
SSE		.9	1.8	.2								2.9	8.4
S	.2	1.3	2.2	.3	.1							4.1	7.8
SSW		.5	2.4	1.8	.1							4.8	10.1
SW	.2	1.8	1.5	1.7	1.1	.2						6.6	10.7
WSW	.1	.9	3.0	4.1	.5							8.6	11.3
W	.4	1.8	4.5	2.9	.5	.1						10.3	10.0
WNW	.2	.8	3.2	2.9	.5	.4						8.1	11.5
NW	.1	1.4	2.3	2.5	.3							6.6	10.1
NNW	.3	1.0	2.2	1.6	.2							5.3	9.4

VARIABLE

CALM

TOTALS

8.1
100.0
9.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	.9	1.8	1.2	.1	.7					4.5	10.3
NNE		.5	3.1	4.9	.4	.3					9.4	11.7
NE	.1	1.6	4.2	3.3	.5						9.8	10.3
ENE		1.1	1.9	1.6	.9						5.5	11.0
E	.1	1.0	.4	.5							2.0	7.4
ESE	.1	1.2	.4	1.0	.1	.1					2.9	9.5
SE		.6	.9	.3							1.8	8.2
SSE	.1	.4	1.0	.4							2.9	8.7
S		1.6	2.4	1.2	.2						5.4	9.2
SSW	.2	.9	1.5	1.7	.3						4.6	10.1
SW	.2	.9	2.8	3.4	.9	.8					8.9	12.3
WSW	.1	1.2	4.2	5.5	1.2	.3					12.5	11.8
W		1.9	4.9	3.2	1.1	.2					11.4	10.7
WNW	.2	1.3	2.6	1.9	.2	.1					6.3	10.1
WW	.1	1.1	2.9	2.2	.2	.1					6.6	10.6
NNW		.7	.6	.3	.1						1.4	9.7

VARIABLE

CALM

TOTALS

1.5 10.5 36.7 32.8 6.2 2.3 4.1 100.0 10.2

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGE MA

PERIOD OF RECORD: 77-86

MONTH: OCT HOURS(1ST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.2	.8	2.0	.6							3.7	8.5
NNE	.3	1.7	3.8	1.9	1.0	.3					9.0	10.6
NE		2.2	3.5	2.0	.4	.2					8.4	9.7
ENE	.4	2.9	2.9	1.3	.3						7.8	8.3
E	.4	1.6	.4	.2							2.7	5.8
ESE	.3	.9	.8	.4	.1						2.5	7.8
SE	.2	1.0	1.1	.1	.2	.1					2.7	8.5
SSE	.2	1.1	1.1	.2	.1						2.7	7.4
S	.5	2.4	3.8	.3							7.0	7.2
SSW	.1	1.6	1.3	1.5	.3						4.8	9.5
SW	.2	1.6	3.1	3.7	.3	.6					9.5	11.3
WSW	.1	2.2	4.4	5.5	1.7	.1					14.0	11.4
W	.1	1.7	3.8	1.7	.4	.2					8.0	9.9
WNW	.2	1.2	2.2	2.7	.2	.1					6.6	10.1
NW	.1	1.0	1.7	1.0	.1						3.9	9.2
NNW		.8	.8	.3	.1						1.9	9.0

VARIABLE

CALM

4.9

TOTALS

100.0 9.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/ETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	1.7	.5	.6							3.5	6.6
NNE	.6	1.5	1.4	.8	.3	.1	.2				4.9	9.5
NF	.5	2.5	1.6	1.0	.3	.2					6.1	8.5
ENE	.3	1.8	1.7	.5	.4	.1					4.9	8.9
E	.5	.5	.6	.1							1.8	5.9
ESE	.2	1.0	.1	.2	.1						1.6	6.7
SE	.2	1.1	.3	.1							1.7	6.1
SSE		1.1	.2	.1	.1	.1					1.6	8.0
S	1.0	3.0	2.3	.8	.1						7.1	6.9
SS	.4	2.2	1.2	1.7	.1						5.6	8.4
SW	.3	3.2	1.9	1.2	.2						6.9	8.1
WSW	.1	2.7	2.8	2.8	.8	.4					9.6	10.3
W	.5	3.1	2.3	1.2	.6						7.7	8.3
WNW	.4	1.8	1.9	1.0	.2						5.4	8.0
NW	.2	1.1	1.7	1.1							4.1	8.7
NNW	.2	1.3	.9	.2							2.6	6.5

VARIABLE												
CALM	////////////////////										24.7	////
TOTALS	6.3	25.6	21.5	13.3	3.3	1.0	.2				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAL

STATION NUMBER: 725007 STATION NAME: OTIS ANG F MA PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(UT): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

VARIABLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GRAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS: 1000

GLOBAL CLIMATOLOGY BRANCH
 C/AFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 710050 STATION NAME: OTIS WASH MA

PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS/STATION: 0000-0100

DIRECTION (DEGREES)	1-5	6-10	11-15	16-20	21-25	26-30	31-40	41-47	48-55	56	TOTAL	MEAN WIND
N	0.1	0.7	1.0	1.1							4.1	8.4
NNE	0.7	0.9	1.7	0.8							3.3	7.7
NE	0.1	1.7	1.7	0.9	0.6	0.1					4.1	9.8
NNE	0.7	0.7	0.8	0.7	0.1	0.1					3.6	10.3
E	0.1	1.1	0.7	0.7	0.1						2.7	8.1
ESE	0.1	0.7	0.4	0.4	0.1	0.1					1.6	13.4
SE	0.7	1.0									1.7	8.0
SSE		0.7	0.7	0.7							1.6	11.5
S	0.7	1.4	1.1	0.7	0.1						4.1	7.7
SSE	0.7	0.7	0.7	1.1							3.6	11.1
SSW	0.7	0.7	1.1	1.0	0.1						5.7	10.5
SW	0.1	1.1	1.1	1.0	0.1						4.3	10.2
WSW	0.8	0.8	1.1	0.7	0.1						3.6	17.7
W		0.7	1.1	1.1	0.1						3.7	9.9
WNW	0.7	0.8	0.8	0.1	0.1						1.6	8.8
WNW	0.7	0.8	1.1	0.7							3.7	7.3

TOTAL	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
TOTAL	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

GLOBAL CLIMATOLOGY BRANCH
 C/AFETAC
 AIR WEATHER SERVICE/MAC

METEOROLOGICAL DATA SUMMARY
 STATION NAME: ...
 DATE: ...
 TIME: ...

PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(IST): 0300-0500

DIRECTION	01-03	04-06	07-09	10-12	13-15	16-18	19-21	22-24	25-27	28-30	31-01	02-04	05-07	08-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	TOTAL	MEAN
(DEG)																							
N	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.1	7.4
NNE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.4	8.5
NNE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.3	12.5
NNE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.2	8.2
NNE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.2	9.1
NNE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.3	10.6
NNE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.4	12.2
NNE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.4	7.6
NNE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.8	7.6
NNE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.7	9.9
NNE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.8	11.1
NNE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	7.0	10.3
NNE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9.6	9.1
NNE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9.2	8.8
NNE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9.4	8.1
NNE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	5.3	6.9

TOTAL	24.7	100.0	6.8
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TOTAL NUMBER OF OBSERVATIONS: 24

COASTAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 CHARLESTON FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 70500 STATION NAME: OTIS ANCH MA PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(1ST): 0600-0600

DIRECTION (DEGREES)	1-3	4-6	7-9	11-13	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	0	0	1.0				0.2					4.2	8.0
NNE	0.1	0.0	1.0	0.7	0.7	0.1	0.1					3.6	10.8
NE	0.3	0.0	2.0	0.9	0.6	0.1						5.3	10.0
NNE	0.0	0.0	1.0	1.1	0.2							5.2	6.5
E	0.0	1.1	1.0	0.2	0.2							3.3	8.2
ESE	0.0	0.0	0.0									0.0	7.1
SE	0.1	0.0	0.0	0.0	0.0	0.1						2.0	9.7
SSE	0.7	0.7	0.7	0.0	0.3							2.1	10.9
S	0.0	0.0	0.0	0.0	0.0	0.0						0.7	8.5
SSE	0.0	0.0	0.0	1.0	0.0	0.0						1.0	10.7
SSW	0.1	0.1	0.0	1.0	0.7	0.7						5.6	11.7
WSW	0.1	0.7	0.1	1.0	0.0							4.7	11.3
W	0.7	0.0	0.0	0.0	0.0	0.0						0.0	9.6
WSW	0.0	0.0	0.0	0.0	0.0	0.0						0.0	9.7
SW	0.0	0.0	0.0	0.0	0.0							0.0	6.3
WSW	0.0	0.0	0.0	0.0	0.0							0.0	11.4

VARIANCE

WIND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS: 111

GLOBAL CLIMATOLOGY SEARCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 CAPETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 705100 STATION NAME: BIRD ANDER MA PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS/DAYS: 0900-1100

		WIND SPEED IN KNOTS											
DIRECTION (DEGREES)		1-7	8-16	17-23	24-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN	WIND
N		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	11.3	
NNE		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	11.7	
NE		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	10.2	
ENE		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	10.3	
E		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	9.8	
ESE		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	9.9	
S		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	9.9	
SSE		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	8.7	
SE		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	9.7	
SSE		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	11.0	
S		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	13.0	
SSW		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	12.0	
SW		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	11.2	
WSW		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	11.3	
W		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	11.3	
WNW		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	11.0	
VARIABLE		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	11.0	
CALC		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	11.0	
TOTAL		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	11.0	

TOTAL NUMBER OF OBSERVATIONS: 600

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 CAPETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 72560 STATION NAME: OTIS ANDER MA

PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(UT): 1200-1400

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	0.0	0.0	1.9	0.9	0.3	0.7	0.3	4.5	11.1				
NNE	0.1	0.7	0.7	1.3	1.0			5.5	12.1				
NE		1.7	2.2	2.0	0.3			6.7	10.2				
NNE	0.7	1.0	2.2	1.0	0.3			5.7	9.7				
E		0.4	1.3	0.7				2.8	8.6				
ESE		0.6	1.0	0.7	0.1			2.3	9.4				
SE		0.7	1.1	0.0	0.2			2.6	10.0				
ESE		1.6	0.6	0.3				2.9	7.9				
S		1.1	2.6	1.7				5.7	9.5				
SSW	0.1	0.4	1.7	1.1	0.3			3.7	10.7				
SW		0.7	2.2	2.2	1.3	0.7	0.1	9.3	13.1				
WSW	0.1	0.2	2.0	4.3	2.1	0.1	0.1	10.6	12.8				
W		1.2	2.0	4.3	1.4	0.4	0.1	10.3	12.4				
WNW	0.1	1.6	3.3	2.9	1.2	0.1		10.3	11.6				
W		1.7	2.1	4.3	0.9	0.1		6.7	11.9				
WNW		0.4	2.0	2.0	0.6	0.1		5.6	11.7				

VARIABLE

CALM	0.7	10.2	34.2	34.6	10.1	1.8	0.3	3.1	11.0				
TOTALS	0.7	10.2	34.2	34.6	10.1	1.8	0.3	100.0	11.0				

TOTAL NUMBER OF OBSERVATIONS: 697

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060J STATION NAME: OTIS ANGE MA

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1500-1700

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.4	.6	1.3	.6	.4	.1						3.4	9.9
NNE	.7	.9	2.3	1.9	.6	.1						5.9	10.9
NW	.2	1.4	2.9	1.7	.4							6.7	9.8
ENE	.1	2.4	2.8	.7	.1							6.1	7.8
E	.2	.9	2.2	.7								4.0	8.4
ESE	.2	1.3	.6	.4	.1							2.7	7.8
SE	.3	1.1	1.1	.2	.2							3.0	7.9
SSE	.1	1.1	1.0	.7								2.9	8.0
S	.2	1.1	2.7	.9	.1							4.9	8.4
SSW	.1	.7	1.0	.3	.4	.1						2.7	10.7
SW	.1	1.9	2.6	2.3	.7	.1						9.1	10.5
WSW	.	1.4	4.3	5.1	1.0	.1						12.0	11.6
W	.1	2.1	3.9	3.1	.3	.6	.1					10.2	10.8
NNW	.2	1.1	2.6	3.2	.4	.1						7.9	10.7
NW	.	.9	2.9	3.6	.2							7.6	11.1
NNW	.1	.6	1.9	1.9	.3							4.8	11.0

VARIABLE

CALM

TOTALS

6.2
100.0
9.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(LST): 1800-2000

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.6	.8	1.4	1.3	.2	.1						4.4	9.6
NNE	.1	.7	1.1	.5	.1							2.8	9.8
NE	.2	1.3	2.0	.9	.2	.1						4.8	9.2
ENE	.1	1.9	2.1	.4	.1	.1						4.8	8.2
E	.2	1.6	1.9	.4								4.1	7.6
ESE	.2	.2	.4	1.7								2.6	10.9
SE	.1	.7	.7	.6	.1							2.1	8.8
SSE	.3	.3	1.1	.6	.1							2.1	10.2
S	.3	2.4	1.7	.8	.2	.2						5.7	8.5
SSW	.3	1.1	1.3	1.0	.1							3.9	9.0
SW		1.4	2.7	1.6	.1							5.8	9.8
WSW	.2	1.2	2.7	1.9	.1							6.1	9.6
W	.6	3.1	3.8	1.7	.7	.1						9.8	9.1
WNW	.7	1.6	3.0	2.4	.1	.3	.1					8.2	10.3
NW	.3	1.4	2.7	2.0	.4							6.9	10.0
NNW	.3	1.8	2.6	1.0	.4							6.1	8.8

VARIABLE

CALM	19.9	////							
TOTALS	4.2	21.6	31.1	19.0	3.1	1.0	.1	100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANG B MA PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(LST): 2100-2300

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.1	.8	1.6	.6	.4							3.4	9.6
NNE		.7	1.1	.2	.2							2.2	9.5
NE	.3	.9	2.0	.8	.3	.2						4.6	9.7
NNE		1.3	2.6	.6	.1	.1						4.7	8.6
E	.3	1.1	.7	.1	.1							2.3	6.9
ESE	.1	.1	1.0	1.0	.2							2.4	11.3
SE	.2	1.1	.9	.1								2.3	10.9
SSE		1.0	.3									1.3	9.8
S	.2	1.8	1.9	1.1	.1	.2						5.3	9.0
SSW	.1	1.6	.9	1.0	.1	.1						3.7	8.6
SW	.1	1.1	1.7	1.6	.3							4.8	10.0
WSW	.3	.1	1.2	1.6	.3							5.6	8.8
W	.2	2.7	4.6	1.8	.6	.1						9.9	9.2
WNW	.8	2.9	2.0	1.3	.3		.2					7.4	9.7
NW	.4	2.7	3.3	2.4	1.1	.1						10.1	10.0
NNW	.2	3.0	2.8	1.3	.4							7.8	8.6

VARIABLE

CALM	22.1	////
TOTALS	3.3	22.8
	29.2	16.6
	4.9	.5
	.2	
	100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 600

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725260 STATION NAME: OTIS ANG: MA
PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			56
N	.2	1.3	1.5	.9	.3	.1	.0					4.3	9.6
NNE	.1	.8	1.6	.9	.3	.1	.0					3.9	10.4
NE	.2	1.2	2.1	1.2	.5	.1	.0					5.2	10.1
ENE	.1	1.5	2.3	1.0	.2	.0						5.2	9.0
E	.1	1.0	1.5	.5	.1	.0						3.3	8.4
ESE	.1	.5	.6	.6	.1	.1						1.9	10.1
SF	.1	.6	.8	.5	.1	.0						2.2	9.4
SSE	.1	.8	.7	.6	.1							2.3	9.1
S	.2	1.5	1.9	.9	.1	.1						4.7	8.7
SSW	.1	.9	1.2	1.1	.3	.0	.0					3.7	10.2
SW	.1	1.1	2.3	2.0	.7	.2	.0					6.4	11.2
WSW	.2	1.1	2.4	2.6	.8	.0	.0					7.5	11.0
W	.3	1.1	3.6	2.8	.7	.2	.0					9.7	10.3
WNW	.4	1.8	3.3	2.5	.5	.1	.0					8.6	10.2
NW	.2	1.1	3.4	2.5	.5	.0						8.8	9.9
NNW	.2	1.9	2.7	1.4	.3	.0						6.5	9.1

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 7194

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGE MA

PERIOD OF RECORD: 77-86
 MONTH: DEC HOURS(UT): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.2	1.7	1.7	.4	.1						3.8	8.0
NNE	.1	.2	1.0	.4	.2						2.0	10.6
NE	.2	.2	1.0	.2	.4						2.1	10.5
ENE	.1	.5	1.0	.8	.2						2.6	10.2
E	.1	1.1	1.1	1.0	.2	.2					3.8	10.2
ESE	.2	.2	.4	.1	.1	.2					1.2	11.2
SE	.1	.2	.7	.4							1.4	9.8
SSE	.2	.7	.8	.7	.3						2.6	9.8
S	.3	.7	1.2	.7	.1						2.9	8.3
SSW		.8	.4	.4							1.6	8.3
SW	.2	.5	.5	1.4	.4						3.1	11.1
WSW	.1	1.1	2.8	1.7	1.0		.1				6.8	11.2
W	.3	5.7	4.5	3.3	1.6	.4					14.6	10.2
WNW	.4	3.9	4.2	4.4	.7	.4					14.1	9.9
NW	.3	2.7	4.7	1.6	.7	.3					10.3	9.4
NNW	.5	1.2	2.5	1.1	.2						6.2	8.8
VARIABLE												
CALM	////////////////////											21.1 //
TOTALS	3.8	15.1	29.2	18.6	6.3	1.7	.1				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 423

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/TAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGR MA

PERIOD OF RECORD: 77-86
 MONTH: DEC HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 50	
N	.3	1.1	2.2	.5							4.1	7.8
NNE	.1	.5	.8	1.0	.2						2.6	10.8
NF	.1	.7	.4	.5	.4						2.2	10.6
ENE	.1	.7	1.2	.8							2.8	9.2
E	.1	.7	1.0	.8	.2	.4					3.2	11.4
ESE	.1	.3	.5		.3	.1					1.4	11.2
SE		.2	.3	.2	.1						.9	10.5
SSE		.3	1.0	.2							1.5	8.3
S		.3	2.0	1.0	.3						3.6	10.6
SSW	.1	.4	.1	.5	.1						1.3	10.0
SW	.1	.4	1.2	1.0	.3	.2					3.3	11.8
WSW	.3	1.2	2.6	1.9	1.3	.1					7.5	11.2
W	.4	2.6	5.3	3.4	.8	.7					12.9	10.1
WNW	.8	4.9	4.0	4.7	.7						13.1	9.8
NW	.5	3.8	3.7	2.0	1.0	.1					11.1	9.0
NNW	.2	2.2	2.5	1.5	.5	.1					7.1	9.4

VARIABLE

CALM	21.5	////
TOTALS	100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 218

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 755060 STATION NAME: OTIS ANGP MA PERIOD OF RECORD: 77-86
 MONTH: DEC HOURS(IST): 0600-0800

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.3	2.3	1.9	.8	.1							5.4	7.7
NNE	.3	.3	.6	1.0	.3							2.6	10.8
NE	.1	.2	1.0	.5		.2						2.1	11.2
ENE	.3	.3	1.7	.3	.2							2.5	9.5
E	.5	.5	.8	.5	.2							2.6	8.5
ESE	.1	.1	.3	.9	.1	.1						1.5	13.0
SE	.9	.8	.8	.4	.2	.2						2.5	10.8
SSE	.1	1.0	.8	.5								2.4	8.0
S		1.0	1.0	.3	.1							2.4	6.4
SSW	.2	.2	.2	.3	.2	.1						1.7	11.8
SW	.3	.3	1.3	1.5	.2							3.4	11.4
WSW	.2	1.3	1.9	2.1	1.6	.1		.2				7.5	12.8
W	.5	2.6	4.7	3.6	.5	.1						12.0	9.8
WNW	.3	2.6	4.0	3.9	.6	.2						11.7	10.2
NW	1.1	3.8	3.7	3.9	.3	.1						12.9	9.0
NNW	.4	2.2	3.4	1.0		.1						7.0	8.1

VARIABLE

CALM	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
TOTALS	4.5	19.8	27.6	22.0	4.9	1.7	.2					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGP MA

PERIOD OF RECORD: 77-86
 MONTH: DEC HOURS(LST): 0900-1100

DIRECTION (DEGREES) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56 TOTAL MEAN WIND

N	.2	1.2	1.6	1.1	.3	.1	.1				6.3	9.3
NNE	.3	1.1	.9	1.0	.4						4.5	10.2
NE	.1	1.0	.6	.9	.4	.1					3.3	10.4
ENE	.1	.8	.1	.4	.5						2.9	10.2
E	.2	.5	1.3	.5	.1						2.7	9.0
ESE		.3	.6	.4							1.9	11.3
SE		.6	1.1	.6	.1						2.5	9.4
SSE	.1	.7	.6	.6	.1	.1					2.1	10.7
S		.8	1.7	.3							2.4	7.7
SSW		.2	1.6	1.2	.5						3.5	11.7
SW	.1	.6	1.7	1.0	.6	.1					3.4	11.3
WSW		.2	2.4	4.4	1.7	.7	.1				7.6	17.4
W	.2	.6	2.6	1.9	1.7	.7	.1				12.1	12.1
WNW		1.7	3.7	5.3	.5	.1					11.1	11.2
NW	.1	.2	4.4	4.2	1.7	.7					12.3	11.5
NNW	.2	.9	4.4	3.2	.7	.7					12.7	10.2

VARIABLE

CALM

TOTALS

1.7 10.1 30.1 30.7 1.7 1.1 1.1

TOTAL NUMBER OF OBSERVATIONS: 83

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 CAAFLAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725000 STATION NAME: OTIS ARGE MA PERIOD OF RECORD: 77-80
 MONTH: DEC HOURS/CLUST: 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	PLAN MILE
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.2	1.0	1.0	1.4	1.1	1.1	1.1	1.1	1.1	1.1	11.2	11.2
NNE	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	11.2	11.2
NNE	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	11.2	11.2
NNE	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	11.2	11.2
E	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	11.2	11.2
ESE	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	11.2	11.2
ESE	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	11.2	11.2
ESE	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	11.2	11.2
S	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	11.2	11.2
SSW	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	11.2	11.2
SW	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	11.2	11.2
WSW	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	11.2	11.2
W	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	11.2	11.2
WNW	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	11.2	11.2
W	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	11.2	11.2
WNW	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	11.2	11.2

VARIABLE	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	11.2	11.2
CALM	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	11.2	11.2
TOTALS	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	11.2	11.2

TOTAL NUMBER OF OBSERVATIONS: 120

GLOBAL CLIMATOLOGY BRANCH
 COMPTON
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 705000 STATION NAME: OTIS ARMY MA PERIOD OF RECORD: 77-86
 MONTH: DEC HOURS(IST): 1500-1700

DIRECTION (DEGREES)	1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	31-33	34-36	37-39	40-42	43-45	46-48	49-51	52-54	55-57	58-60	TOTAL	MEAN WIND
N	.3	1.2	1.6	1.6	1.0	1.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	4.4	9.2
NNE	.4	.4	1.9	.5	.5	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	4.1	10.1
NNE	.1	.8	1.2	1.0	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	3.2	9.7
NNE	.4	1.2	1.2	.9	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	3.9	8.6
E	.3	1.1	1.1	.5	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	7.3	8.8
ESE	.3	.3	.1	.3	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	1.4	12.2
SE	.2	.2	.8	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	2.2	13.8
SSE	.1	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	1.4	6.2
S	.1	1.9	1.6	1.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	4.0	9.0
SSW	.1	1.4	1.2	.6	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	3.7	6.4
SW	.1	1.2	1.6	2.7	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	6.2	11.2
WSW	.1	1.2	2.2	4.5	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	11.1	10.8
W	.4	3.1	3.7	4.3	1.3	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	13.4	10.8
WNW	.4	1.8	3.5	2.7	1.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.2	11.0
NW	.2	4.5	3.2	.9	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	11.9	1.6
NNW	1.6	2.0	1.3	.6	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	6.2	10.2

VARIABLE

CALM

TOTALS

3.2 21.6 30.1 25.7 7.6 1.5 .1 9.7

TOTAL NUMBER OF OBSERVATIONS: 650

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION BY WIND SPEED
 LEAFLET FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGWR MA

PERIOD OF RECORD: 77-86

MONTH: DEC HOURLY PERIOD: 1000-2000

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.2	1.0	.5	1.0	.4							3.1	9.6
NNE	.1	.9	.4	.4	.3							2.1	5.0
NE		.6	.6	.9	.2	.1						2.9	1.9
ENE		.6	1.1	1.1	.2							2.7	1.4
E	.4	1.7	.8	1.3	.1							4.3	4.3
ESE	.2	.3	.2	.3								1.1	1.9
SE	.2	.8	.3	.5	.3							2.2	1.1
SSE		.4	.6	.2	.2	.1						1.6	10.7
S	.1	1.6	1.3	.5	.2							3.4	6.4
SSW	.5	1.1	1.4	.9								3.9	7.8
SW	.2	.9	1.0	2.1	.4							4.5	11.0
WSW	.2	1.6	2.2	2.9	.8	.1						7.8	1.7
W	.5	2.8	3.2	1.9	1.8	.7						17.8	10.0
WNW	.6	2.6	2.6	2.6	.9	.7						9.8	10.2
NW	.9	2.3	3.7	2.9	.6	.7						1.9	10.1
NNW	.4	2.3	1.6	1.3	.6	.1						6.6	9.2

VARIABLE

CALM	4.8	21.8	21.9	20.5	7.1	1.7	.1					20.2	7.7
TOTALS												100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATION

STATION NUMBER: 725060 STATION NAME: OTIS ANG B MA

PERIOD OF RECORD: 77-86

MONTH: DEC HOURS: 1200-2300

DIRECTION (OF DEGREE)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.3	.3	1.1	.2	.3	.1						2.4	9.6
NNE	.3	.4	.6	.5		.1						2.1	9.7
NF	.3	.6	.6	.5	.2	.1						2.6	9.9
ENE		.6	.3	1.4	.5							2.9	12.4
E	.2	1.3	1.1	1.1								2.7	9.1
ESE	.2	.1	.3	.6	.6							1.9	12.4
SE	.2	.2	.6	.3	.1							1.4	9.8
SSE	.1	1.4	.2	.2								1.9	6.3
S	.1	.6	1.4	.3	.2	.1						2.4	9.6
SSW	.2	.9	.4	1.2			.1					2.4	10.1
SW	.3	.5	1.5	1.6	.6	.1						4.9	11.5
WSW	.1	.9	1.9	1.9	1.2	.2						6.0	11.9
W	.3	3.0	2.9	3.4	.9	.2						11.7	10.2
WNW	.4	2.4	3.0	2.5	.6	.2						7.6	9.6
NW	.6	2.0	4.8	2.6	1.2	.2	.1					12.9	10.3
NNW	.2	.1	2.1	2.2	.4	.1						7.1	9.4

VARIABLE

CALM

TOTALS

23.4

100.0

TOTAL NUMBER OF OBSERVATIONS: 104

GLOBAL CLIMATE DATA REPORT PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 CHAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAO

STATION NUMBER: 70500 STATION NAME: DUIS AMGE MA PERIOD OF RECORD: 77-86 ALL
 MONTH: DEC HOURS: 12-11

		WIND SPEED IN KNOTS																
DIRECTION (DEGREES)		1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	31-33	34-36	41-47	48-55	56	TOTAL	MEAN WIND
N		0.0	1.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	9.1
NNE		0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4
NE		0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	11.5
ENE		0.1	0.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
E		0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	9.2
ESE		0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	11.2
SE		0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	10.2
SSE		0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	9.0
S		0.1	1.1	1.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	8.8
SSW		0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9
SW		0.1	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	11.5
WSW		0.1	1.2	0.0	0.0	0.0	1.1	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	11.9
W		0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	10.8
WNW		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2	10.6
NW		0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	10.3
NNW		0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	9.6

VARIABLE																							
CALC																							
TOTALS		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS: 7400

GLOBAL CLIMATOLOGY MATCH PER CENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 CAPETAG FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 705000 STATION NAME: OTIS ANGEL MA PERIOD OF RECORD: 77-86
 MONTH: ALL HOURS(IST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.3	1.7	1.9	1.7	.3	.1	.0	.0			5.6	9.4
NNE	.2	1.1	1.6	1.6	.6	.2	.0	.0			5.3	11.0
NE	.2	1.2	1.7	1.2	.4	.1	.0	.0	.0		4.7	10.0
ENE	.2	1.0	1.3	.7	.2	.0	.0	.0			3.4	9.1
E	.2	.9	.9	.4	.1	.0	.0	.0			2.6	8.4
ESE	.1	.9	.6	.4	.1	.0	.0	.0			1.8	9.4
SE	.1	.6	.8	.4	.1	.0	.0	.0			2.0	7.8
SSE	.2	.9	.9	.4	.1	.0		.0			2.4	8.2
S	.3	1.8	2.0	.9	.2	.0	.0				5.2	8.3
SSW	.2	1.4	1.9	1.2	.3	.0	.0	.0			5.0	9.3
SW	.2	1.7	2.5	2.2	.5	.1	.0				7.3	10.1
WSW	.3	1.2	3.7	2.3	.8	.1	.0	.0			10.3	10.3
W	.4	2.7	3.5	2.5	.7	.1	.0				9.7	9.6
WNW	.2	1.6	2.4	1.9	.5	.1	.0				6.9	10.0
NW	.2	1.7	2.3	1.7	.4	.1	.0				6.4	9.8
NNW	.3	1.0	1.8	1.2	.3	.0	.0	.0			5.0	9.1

VARIABLE											
CALM											16.3
TOTALS	3.5	22.0	29.5	21.2	5.4	1.0	.2	.0	.0		100.0

TOTAL NUMBER OF OBSERVATIONS: 87503

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFLTAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/PMAC

STATION NUMBER: 725060 STATION NAME: OTIS ANG R MA

PERIOD OF RECORD: 77-86
 MONTH: ALL HOURS(LST): ALL

CEILINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE
 ANE/OR

CEILINGS 200 FEET OR MORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL Σ	MEAN WIND
N	.2	1.8	2.7	2.6	1.0	.3	.1					8.6	11.2
NNE	.2	1.2	2.6	3.0	1.5	.5	.1	.0				9.2	12.7
NE	.1	1.4	2.3	2.2	1.0	.3	.1	.0	.0			7.5	11.9
ENE	.1	1.3	1.8	1.3	.7	.1	.0	.0				5.3	10.7
E	.2	1.1	1.7	1.1	.4	.1	.0	.0				4.8	10.2
ESE	.1	.6	1.0	1.1	.4	.2	.0					3.4	11.6
SE	.1	.7	1.2	.9	.5	.1	.0					3.5	10.9
SSE	.1	.9	1.1	.8	.3	.1		.0				3.4	10.1
S	.3	1.8	2.5	1.7	.5	.1	.0					7.3	9.8
SSW	.1	1.4	2.3	2.0	.5	.1	.0	.0				6.5	10.7
SW	.2	1.5	2.7	3.1	.8	.1	.0					8.5	11.0
WSW	.2	1.9	3.4	3.5	1.2	.1	.0					10.3	10.9
W	.2	1.8	1.9	1.1	.3	.1	.0					5.4	9.1
WNW	.1	.4	.6	.3	.1	.0						1.5	8.9
NW	.1	.7	.6	.5	.1	.0						2.2	9.1
NNW	.1	.8	1.2	.8	.2	.1	.0					3.4	10.4

VARIABLE

CALM

TOTALS

9.2 9.2 100.0 9.8

TOTAL NUMBER OF OBSERVATIONS: 16147

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CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "0" THROUGH EQUAL TO OR GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

NOTES:

BEGINNING IN 1966, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER, HOWEVER SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD BE DISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS ABOVE 5000 FEET WERE SUPPRESSED TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 5000 FEET.

SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED). ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

CLEAR	-	0/10
SCATTERED	-	3/10
BROKEN	-	9/10
OVERCAST	-	10/10
OBSCURED	-	10/10

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGEL MA

PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(UT): 0000-0200

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	1	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	11	12	13	14
NO	CEILING	1	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	11	12	13	14
GE	10000	51.5	54.9	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE	18000	52.7	56.1	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE	16000	52.8	56.2	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE	14000	53.4	56.8	57.1	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE	12000	54.2	57.7	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE	10000	56.6	60.7	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE	8000	57.9	62.4	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE	6000	59.7	64.6	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE	5000	63.7	68.7	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE	4000	66.3	72.5	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE	3500	66.8	73.4	74.0	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE	3000	69.6	75.9	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE	2500	69.2	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE	2000	70.9	79.4	80.6	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE	1800	70.9	79.4	80.6	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE	1600	70.9	80.3	81.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE	1400	71.3	80.9	82.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE	1200	71.8	81.7	83.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE	1000	71.8	81.7	83.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE	800	71.8	81.7	83.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE	600	72.2	82.3	84.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE	500	72.2	82.3	84.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE	400	72.2	82.4	85.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE	300	72.3	82.9	85.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE	200	72.3	82.9	85.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE	100	72.3	82.9	85.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE	50	72.3	82.9	85.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7

TOTAL NUMBER OF OBSERVATIONS: 917

GLOBAL CLIMATOLOGY BRANCH
UJAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725000 STATION NAME: OTIS AFB MA

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 0300-0500

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		1	10	6	6	4	3	2	1 1/2	1	1 1/2	1	3/4	5/8	1/2	5/16	1/4
NO	CEIL	1	43.5	52.7	52.8	53.4	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE	20000	49.7	54.0	54.1	54.2	54.7	55.0	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE	14000	49.8	54.1	54.2	54.3	54.9	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE	10000	49.8	54.1	54.2	54.3	54.9	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE	14000	50.7	55.0	55.1	55.2	55.7	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE	12000	51.7	55.9	56.1	56.1	56.7	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE	10000	54.6	59.3	59.4	59.4	60.2	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE	9000	55.1	59.5	59.5	59.5	60.0	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE	8000	56.6	61.4	61.5	61.5	62.3	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE	7000	56.7	61.6	61.7	61.7	62.5	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE	6000	56.9	61.9	62.1	62.1	62.8	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE	5000	60.4	67.1	67.2	67.2	68.2	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE	4500	62.1	68.8	68.9	68.9	69.9	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE	4000	64.0	70.8	70.9	70.9	71.9	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE	3500	64.9	72.1	72.4	72.4	73.4	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE	3000	66.1	73.6	73.9	73.9	74.9	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE	2500	67.0	75.4	75.7	75.7	76.7	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE	2000	69.0	77.9	78.2	78.2	79.7	80.5	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE	1800	69.2	78.3	78.7	78.7	80.3	81.0	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE	1500	70.1	79.3	79.6	79.6	81.6	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE	1000	70.2	79.4	79.4	79.4	82.3	83.5	83.5	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE	1000	70.8	80.2	80.2	80.2	83.1	84.7	84.7	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE	900	71.0	80.4	80.4	80.4	83.3	85.1	85.1	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE	800	71.1	80.6	80.6	80.6	83.6	85.5	85.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE	700	71.4	81.0	81.0	81.0	84.3	86.4	86.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE	600	71.5	81.2	81.2	81.2	85.2	87.5	87.5	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE	500	71.6	81.2	81.2	81.2	85.5	88.3	88.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE	400	71.6	81.2	81.2	81.2	85.8	88.5	88.5	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE	300	71.6	81.2	81.2	81.2	86.0	89.4	89.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE	200	71.6	81.2	81.2	81.2	86.0	89.4	89.4	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE	100	71.6	81.2	81.2	81.2	86.0	89.4	89.4	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE	100	71.6	81.2	81.2	81.2	86.0	89.4	89.4	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1

TOTAL NUMBER OF OBSERVATIONS: 917

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/NAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANG-MA PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(SLT): 0900-1100

CEILING		VISIBILITY IN STATUTE MILES															
FEET	1	10	6	5	4	3	2	1 1/2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16
GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
NO CEIL	1	40.6	43.4	43.5	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 20000	1	44.4	47.7	48.3	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 18000	1	44.8	48.3	48.6	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 16000	1	45.1	48.5	49.0	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 14000	1	46.2	49.9	50.4	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 12000	1	46.1	51.7	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 10000	1	50.9	54.0	55.4	55.8	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 9000	1	50.9	54.8	55.4	55.8	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 8000	1	53.9	58.4	59.1	59.7	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 7000	1	54.3	58.8	59.6	60.1	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 6000	1	54.5	59.2	60.0	60.5	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 5000	1	56.3	61.5	62.3	62.9	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 4500	1	57.2	63.1	64.0	64.6	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 4000	1	53.9	65.3	66.1	66.8	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 3500	1	60.3	67.4	68.4	69.1	69.7	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 3000	1	61.9	70.3	71.3	72.3	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 2500	1	63.3	71.9	73.4	74.1	74.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 2000	1	64.5	73.7	75.3	76.2	77.4	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 1800	1	64.9	74.3	75.7	76.7	77.8	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 1600	1	65.7	75.3	77.1	78.4	79.6	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 1400	1	65.9	76.0	78.1	79.1	80.5	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 1200	1	66.1	76.6	79.0	80.1	81.8	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 1000	1	66.1	76.6	79.0	80.1	81.8	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 900	1	66.1	76.6	79.0	80.1	81.8	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 800	1	66.1	76.6	79.0	80.1	81.8	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 700	1	66.1	76.6	79.0	80.1	81.8	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 600	1	66.1	76.6	79.0	80.1	81.8	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 500	1	66.1	76.6	79.0	80.1	81.8	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 400	1	66.1	76.6	79.0	80.1	81.8	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 300	1	66.1	76.6	79.0	80.1	81.8	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 200	1	66.1	76.6	79.0	80.1	81.8	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 100	1	66.1	76.6	79.0	80.1	81.8	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 0	1	66.1	76.6	79.0	80.1	81.8	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4

TOTAL NUMBER OF OBSERVATIONS: 25

NATIONAL CLIMATOLOGICAL SERVICE
 METEOROLOGICAL SERVICE/MAL
 PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 77-86
 MONTH: JAN
 HOURS (LST): 1500-1700

STATION NAME: OTIS ANG W A

VISIBILITY IN STATUTE MILES											
CEILING	1	2	3	4	5	6	7	8	9	10	U
PERCENTAGE	1	2	3	4	5	6	7	8	9	10	U
1	41.7	44.4	44.4	45.1	45.4	45.4	45.5	45.5	45.5	45.5	45.5
2	44.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
3	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
4	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
5	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
6	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
8	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
10	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
U	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1

TOTAL NUMBER OF OBSERVATIONS: 100

STATION: CLIMBERG, WYOMING
 STATION: CLIMBERG, WYOMING
 AIR STATION: SERVICE/MAC

STATION NUMBER: 70000 STATION NAME: 70000 AIR STATION: 70000
 MONTH: MAR PERIOD OF RECORD: 77-86 HOURS/STATION: 70000-0000

VISIBILITY IN STATION VALUES											
FEET	1	2	3	4	5	6	7	8	9	10	11
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
900	900	900	900	900	900	900	900	900	900	900	900
800	800	800	800	800	800	800	800	800	800	800	800
700	700	700	700	700	700	700	700	700	700	700	700
600	600	600	600	600	600	600	600	600	600	600	600
500	500	500	500	500	500	500	500	500	500	500	500
400	400	400	400	400	400	400	400	400	400	400	400
300	300	300	300	300	300	300	300	300	300	300	300
200	200	200	200	200	200	200	200	200	200	200	200
100	100	100	100	100	100	100	100	100	100	100	100
0	0	0	0	0	0	0	0	0	0	0	0
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
900	900	900	900	900	900	900	900	900	900	900	900
800	800	800	800	800	800	800	800	800	800	800	800
700	700	700	700	700	700	700	700	700	700	700	700
600	600	600	600	600	600	600	600	600	600	600	600
500	500	500	500	500	500	500	500	500	500	500	500
400	400	400	400	400	400	400	400	400	400	400	400
300	300	300	300	300	300	300	300	300	300	300	300
200	200	200	200	200	200	200	200	200	200	200	200
100	100	100	100	100	100	100	100	100	100	100	100
0	0	0	0	0	0	0	0	0	0	0	0
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
900	900	900	900	900	900	900	900	900	900	900	900
800	800	800	800	800	800	800	800	800	800	800	800
700	700	700	700	700	700	700	700	700	700	700	700
600	600	600	600	600	600	600	600	600	600	600	600
500	500	500	500	500	500	500	500	500	500	500	500
400	400	400	400	400	400	400	400	400	400	400	400
300	300	300	300	300	300	300	300	300	300	300	300
200	200	200	200	200	200	200	200	200	200	200	200
100	100	100	100	100	100	100	100	100	100	100	100
0	0	0	0	0	0	0	0	0	0	0	0

Total 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000

STATION NUMBER: 75000 STATION NAME: ST. LOUIS, MO MONTH: MAR HOURS/STATION: 1500-1700

STATION NUMBER: 75000 STATION NAME: ST. LOUIS, MO

PERIOD OF RECORD: 77-86

STATION NAME: ST. LOUIS, MO

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STATION NAME: ST. LOUIS, MO

STATION NAME: ST. LOUIS, MO

MONTHLY ACTIVITY IN STATISTICAL MONTHS MONTH: MAR MONTHS: 1970-1970

PERIOD OF RECORD: 77-84

ACTIVITY IN STATISTICAL MONTHS											
DATE	1	2	3	4	5	6	7	8	9	10	11
DATE	1	2	3	4	5	6	7	8	9	10	11
1970-01-01	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
1970-01-02	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
1970-01-03	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
1970-01-04	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
1970-01-05	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
1970-01-06	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
1970-01-07	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
1970-01-08	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
1970-01-09	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
1970-01-10	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
1970-01-11	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
1970-01-12	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
1970-01-13	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
1970-01-14	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
1970-01-15	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
1970-01-16	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
1970-01-17	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
1970-01-18	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
1970-01-19	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
1970-01-20	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
1970-01-21	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
1970-01-22	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
1970-01-23	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
1970-01-24	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
1970-01-25	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
1970-01-26	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
1970-01-27	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
1970-01-28	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
1970-01-29	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
1970-01-30	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
1970-01-31	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
1970-02-01	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
1970-02-02	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
1970-02-03	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
1970-02-04	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
1970-02-05	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
1970-02-06	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
1970-02-07	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
1970-02-08	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
1970-02-09	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
1970-02-10	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
1970-02-11	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
1970-02-12	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
1970-02-13	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
1970-02-14	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1970-02-15	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
1970-02-16	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1970-02-17	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
1970-02-18	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1970-02-19	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
1970-02-20	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1

TOTAL NUMBER OF OBSERVATIONS: 60

GLOBAL CLIMATELOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 720000 STATION NAME: OILS AND MA

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(UT): 0700-0200

CEILING

IN 1 2 3 4 5 6 7 8 9 10 11 12

FEET 1 2 3 4 5 6 7 8 9 10 11 12

NO CEIL 1 2 3 4 5 6 7 8 9 10 11 12

CE 1000 1 2 3 4 5 6 7 8 9 10 11 12

CE 1000 1 2 3 4 5 6 7 8 9 10 11 12

CE 1000 1 2 3 4 5 6 7 8 9 10 11 12

CE 1000 1 2 3 4 5 6 7 8 9 10 11 12

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TOTAL NUMBER OF OBSERVATIONS: 900

NATIONAL CLIMATE DATA CENTER
 METEOROLOGICAL SERVICE/PMAC
 FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGEL MA
 MONTH: APR HOURS(LST): 0300-0500
 PERIOD OF RECORD: 77-86

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
1	1	6	4	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0			
NO CELL	1	44.3	47.7	48.2	48.6	48.6	48.8	48.8	49.0	49.2	49.2	49.3	49.3	49.4	49.4	49.4	49.4
GE	20000	45.4	48.8	49.4	49.8	49.8	49.8	49.8	50.2	50.4	50.4	50.6	50.6	50.7	50.7	50.7	50.7
GE	16000	46.4	48.8	49.4	49.8	49.8	49.8	49.8	50.2	50.4	50.4	50.6	50.6	50.7	50.7	50.7	50.7
GE	12000	45.4	48.8	49.4	49.8	49.8	49.8	49.8	50.2	50.4	50.4	50.6	50.6	50.7	50.7	50.7	50.7
GE	14000	47.0	50.3	51.3	51.3	51.3	51.6	51.6	51.6	52.0	52.0	52.1	52.1	52.2	52.2	52.2	52.2
GE	12000	47.4	51.0	52.0	52.0	52.0	52.2	52.2	52.4	52.7	52.7	52.8	52.8	52.9	52.9	52.9	52.9
GE	10000	50.3	54.0	55.1	55.1	55.1	55.3	55.3	55.8	56.0	56.0	56.1	56.1	56.2	56.2	56.2	56.2
GE	9000	50.6	54.4	55.7	55.7	55.7	55.9	55.9	56.3	56.6	56.6	56.7	56.7	56.8	56.8	56.8	56.8
GE	8000	50.0	56.1	57.0	57.0	57.0	57.9	57.9	58.3	58.6	58.6	58.7	58.7	58.9	58.9	58.9	58.9
GE	7000	53.0	57.7	59.1	59.2	59.2	59.4	59.4	59.9	60.1	60.1	60.3	60.3	60.4	60.4	60.4	60.4
GE	6000	54.8	59.1	60.6	60.7	60.7	61.0	61.0	61.4	61.7	61.7	61.9	61.9	62.0	62.0	62.0	62.0
GE	5000	57.6	62.3	63.4	64.1	64.2	64.6	64.6	65.0	65.2	65.2	65.4	65.4	65.6	65.6	65.6	65.6
GE	4000	59.0	63.8	64.9	65.6	65.7	66.0	66.0	66.6	66.8	66.8	67.0	67.0	67.1	67.1	67.1	67.1
GE	3000	60.1	65.1	66.2	66.9	67.1	67.2	67.4	68.0	68.2	68.2	68.4	68.4	68.6	68.6	68.6	68.6
GE	2500	60.7	65.7	66.8	67.4	67.7	67.9	68.0	68.6	68.8	68.8	69.0	69.0	69.1	69.1	69.1	69.1
GE	2000	62.8	68.1	69.2	70.1	70.3	70.4	70.7	71.2	71.4	71.4	71.7	71.7	71.8	71.8	71.8	71.8
GE	2500	63.6	69.1	70.3	71.1	71.3	71.4	71.7	72.2	72.4	72.4	72.7	72.7	72.8	72.8	72.8	72.8
GE	2000	64.4	71.1	72.0	73.0	74.2	74.2	74.4	75.0	75.2	75.2	75.4	75.4	75.6	75.6	75.6	75.6
GE	1800	64.4	71.1	72.0	73.0	74.2	74.2	74.4	75.0	75.2	75.2	75.4	75.4	75.6	75.6	75.6	75.6
GE	1500	64.4	71.3	72.9	74.0	74.6	74.9	75.3	76.0	76.2	76.2	76.4	76.4	76.6	76.6	76.6	76.6
GE	1200	64.6	71.4	73.1	74.2	74.9	75.2	75.7	76.3	76.6	76.6	76.8	76.8	76.9	76.9	76.9	76.9
GE	1000	65.0	72.3	74.1	75.2	76.0	76.3	76.8	77.4	77.7	77.7	77.9	77.9	78.0	78.0	78.0	78.0
GE	900	65.1	72.4	74.0	75.7	76.4	76.6	76.9	77.4	77.7	77.7	77.9	77.9	78.0	78.0	78.0	78.0
GE	800	65.4	72.9	75.3	76.7	77.6	77.9	78.1	78.6	78.8	78.8	79.0	79.0	79.2	79.2	79.2	79.2
GE	700	65.4	72.9	75.6	77.1	78.1	78.4	78.9	79.6	80.2	80.4	80.7	80.7	80.8	80.8	80.8	80.8
GE	600	65.4	73.0	75.7	77.3	78.6	78.9	79.6	80.3	81.1	81.1	81.3	81.3	81.6	81.6	81.6	81.6
GE	500	65.7	73.8	76.7	78.6	80.3	80.9	81.8	82.7	83.7	83.7	83.9	83.9	84.4	84.4	84.4	84.4
GE	400	65.7	74.3	77.3	79.6	82.1	82.9	84.7	85.4	86.9	86.9	87.4	87.4	88.0	88.0	88.0	88.0
GE	300	65.7	74.6	77.6	80.1	83.6	84.4	87.3	88.8	90.7	90.7	91.2	91.2	92.0	92.0	92.0	92.0
GE	200	65.7	74.6	78.1	80.7	84.2	85.2	89.7	90.6	93.1	93.1	94.2	94.2	95.0	95.0	95.0	95.0
GE	100	65.7	74.6	78.1	80.7	84.2	85.3	88.8	90.5	93.6	93.6	95.9	95.9	97.6	97.6	97.6	97.6
GE	0	65.7	74.6	78.1	80.7	84.3	85.3	88.8	90.9	93.6	93.6	95.9	95.9	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS: 600

THE ACCURACY OF CEILING VERSUS VISIBILITY

PERIOD OF RECORD: 77-85
MONTH: APR HOURS (LST): 0600-0800

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 600

GLOBAL CLIMATOLOGY BRANCH
 SAFETYAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 725602 STATION NAME: OTIS ANG B MA

PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE	1	GE	2	GE	2 1/2	GE	3	GE	4	GE	5	GE	6	GE
1	1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	10
NO CEIL	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 20000	47.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 18000	47.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 16000	47.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 14000	48.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 12000	49.2	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 10000	52.0	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 9000	52.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 8000	54.6	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 7000	55.9	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 6000	58.1	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 5000	60.7	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 4000	62.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 3500	66.1	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 3000	68.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 2500	70.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 2000	72.0	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 1800	73.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 1600	74.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 1400	74.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 1200	74.9	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1000	75.1	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 900	75.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 800	75.3	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 700	75.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 600	75.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 500	75.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 400	75.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 300	75.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	75.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	75.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 50	75.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 25	75.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 10	75.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5	75.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1	75.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 100

GLOBAL CAPITALISM AND THE
 "AFRICAN"
 AFRICAN CAPITALISM

STATION NUMBER: 75520 STATION NAME: THE ROCK WA

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(DST): 0000-0100

CRUISE		VELOCITY IN STATUTE MILES									
DATE	TIME	0	1	2	3	4	5	6	7	8	9
1950	0100	37.5	42.5	47.5	45.0	44.5	45.0	45.5	45.0	45.6	45.6
01	2000	40.1	44.7	48.1	47.0	46.0	45.0	47.7	48.0	48.0	48.0
01	1800	40.3	44.9	48.3	47.2	46.0	45.0	47.8	48.2	48.2	48.2
01	1600	40.7	44.5	48.5	47.5	46.2	45.2	48.0	48.2	48.2	48.2
01	1400	41.4	46.1	49.1	48.1	46.8	45.8	49.6	49.5	49.5	49.5
01	1200	41.6	46.3	49.3	48.3	47.0	46.0	49.8	50.2	50.2	50.2
01	1000	43.1	48.9	52.1	52.0	50.0	48.0	52.4	52.4	52.4	52.4
01	0800	45.2	53.7	58.5	58.1	56.1	54.1	58.1	58.1	58.1	58.1
01	0600	46.8	54.2	60.5	59.4	57.4	55.4	59.7	59.6	59.6	59.6
01	0400	46.7	55.4	61.1	60.0	58.0	56.0	60.4	60.3	60.3	60.3
01	0200	47.6	56.9	62.6	61.5	59.5	57.5	61.9	61.5	61.5	61.5
01	0000	51.1	57.7	63.1	62.0	60.0	58.0	62.4	62.0	62.0	62.0
01	2200	54.3	61.0	65.7	64.6	62.6	60.6	65.0	64.6	64.6	64.6
01	2000	56.7	63.4	68.1	67.0	65.0	63.0	67.4	67.0	67.0	67.0
01	1800	58.4	65.1	69.9	68.8	66.8	64.8	69.2	68.8	68.8	68.8
01	1600	58.6	65.3	70.1	69.0	67.0	65.0	69.4	69.0	69.0	69.0
01	1400	58.9	65.6	70.4	69.3	67.3	65.3	69.7	69.3	69.3	69.3
01	1200	59.9	66.6	71.4	70.3	68.3	66.3	70.7	70.3	70.3	70.3
01	1000	59.9	66.6	71.4	70.3	68.3	66.3	70.7	70.3	70.3	70.3
01	0800	59.9	66.6	71.4	70.3	68.3	66.3	70.7	70.3	70.3	70.3
01	0600	59.9	66.6	71.4	70.3	68.3	66.3	70.7	70.3	70.3	70.3
01	0400	59.9	66.6	71.4	70.3	68.3	66.3	70.7	70.3	70.3	70.3
01	0200	59.9	66.6	71.4	70.3	68.3	66.3	70.7	70.3	70.3	70.3
01	0000	59.9	66.6	71.4	70.3	68.3	66.3	70.7	70.3	70.3	70.3

THE UNIVERSITY OF CHICAGO

STATION NUMBER: 7000 STATION NAME: NEW YORK, NY DATE: 10/10/50 TIME: 1200-1400 MONTH: MAY PERIOD OF RECORD: 77-86 HOURS (LST): 1200-1400 VISIBILITY IN STATUTE MILES 1/4 1/2 3/4 1 1 1/4 1 1/2 1 3/4 2 2 1/4 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

TIME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
02	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
03	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
04	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
05	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
06	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
07	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
08	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
09	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
10	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
11	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
12	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
13	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
14	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
15	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
16	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
17	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
18	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
19	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
20	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
21	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
22	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
23	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
24	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

TOTAL NUMBER OF OBSERVATIONS: 3

AD-A183 452

OTIS ANGB MASSACHUSETTS REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. 12 JUN 87
USAFETAC DS-87 040 F G 4/2

3/4

UNCLASSIFIED

ML

NATIONAL METEOROLOGICAL SERVICE
 STATION NUMBER 75000 STATION NAME: OTIS AFB MA
 PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(IST): ALL
 FREQUENCY OF OCCURRENCE OF CEILING VISIBILITY
 FROM HOURLY OBSERVATIONS

VISIBILITY IN STATUTE MILES									
IN	1	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/2
ALL	1	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/2
42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0	50.0	51.0
43.0	44.0	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0
44.0	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0	54.0
46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0	54.0	55.0
47.0	48.0	49.0	50.0	51.0	52.0	53.0	54.0	55.0	56.0
48.0	49.0	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0
49.0	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0
50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0
52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0
53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0
55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0
56.0	57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0
57.0	58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0
58.0	59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0
59.0	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0
60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0
62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0
64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0
65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0
66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0
67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0
68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0
69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0
70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0	81.0
73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0	81.0	82.0
74.0	75.0	76.0	77.0	78.0	79.0	80.0	81.0	82.0	83.0
75.0	76.0	77.0	78.0	79.0	80.0	81.0	82.0	83.0	84.0
76.0	77.0	78.0	79.0	80.0	81.0	82.0	83.0	84.0	85.0
77.0	78.0	79.0	80.0	81.0	82.0	83.0	84.0	85.0	86.0
78.0	79.0	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0
79.0	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0
80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0	90.0
82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0	90.0	91.0
83.0	84.0	85.0	86.0	87.0	88.0	89.0	90.0	91.0	92.0
84.0	85.0	86.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0
85.0	86.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0
86.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0
87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0
88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0
89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0
91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0	100.0

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-11-2010 BY 60322 UCBAW

TABLE NUMBER: 7.5.9
TITLE: Value of Assets : 112 Assets was

RECEIVED OF RECORD: 17-46

MONTH: JUN HOURS(EST): 050-0500

VISIBILITY IN STATUTE MILES													
LAT.	LONG.	VISIBILITY											
		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
1 1/2	1 1/4	1 1/2	1 1/4	1 1/2	1 1/4	1 1/2	1 1/4	1 1/2	1 1/4	1 1/2	1 1/4	GE	
47° 10' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
47° 20' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
47° 30' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
47° 40' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
47° 50' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
48° 00' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
48° 10' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
48° 20' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
48° 30' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
48° 40' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
48° 50' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
49° 00' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
49° 10' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
49° 20' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
49° 30' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
49° 40' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
49° 50' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
50° 00' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
50° 10' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
50° 20' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
50° 30' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
50° 40' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
50° 50' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
51° 00' N	120° 00' W	47.0	46.4	46.0	47.2	47.4	47.4	47.6	47.9	48.1	48.3	48.3	48.3
51° 10' N	120° 00' W	47.0											

TABLE 1. *Continued*

NATIONAL WEATHER SERVICE WASHINGTON, D.C. AIR STATION OBSERVATIONS

STATION NO. 01757 STATION NAME: THE ARMY AIRPORT OF WACO, TEXAS PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS: 0900-1100

VISIBILITY IN STATUTE MILES									
TIME	1	2	3	4	5	6	7	8	9
1	2	3	4	5	6	7	8	9	0
0100	61.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
0200	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
0300	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
0400	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
0500	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
0600	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
0700	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
0800	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
0900	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
1000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
1100	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
1200	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
1300	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
1400	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
1500	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
1600	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
1700	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
1800	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
1900	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
2000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
2100	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
2200	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
2300	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
2400	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
2500	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
2600	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2700	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
2800	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
2900	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
3000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
3200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 32

GLOBAL CLIMATOLOGY BRANCH
 SAFETY
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANG R MA PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(LST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES																PERIOD OF RECORD: 77-86			
		1		2		3		4		5		6		7		8		9		10	
IN	FEET	1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	10
NO	CEIL	1	39.4	47.7	48.3	50.1	50.9	51.4	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE	20000	43.7	52.6	53.4	55.3	55.3	56.2	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE	18000	43.8	52.9	53.8	55.7	55.7	56.6	57.1	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE	16000	43.8	52.9	53.8	55.7	55.7	56.6	57.1	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE	14000	46.0	55.2	56.1	58.0	58.0	59.1	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE	12000	47.0	56.8	57.6	59.6	59.6	60.9	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE	10000	48.8	58.9	60.1	62.2	62.2	63.3	64.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE	9000	48.9	59.1	60.4	62.6	62.6	63.7	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE	8000	51.8	62.6	64.1	66.4	66.4	67.7	68.4	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE	7000	52.1	62.9	64.4	66.8	66.8	68.1	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE	6000	52.2	63.2	64.8	67.1	67.1	68.3	69.1	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE	5000	54.1	65.3	67.0	69.7	69.7	70.9	71.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE	4000	54.8	66.4	68.1	70.8	70.8	72.0	72.8	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE	3000	55.9	67.6	69.4	72.1	72.1	73.4	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE	2000	56.3	68.2	69.9	72.7	72.7	74.0	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE	1000	57.8	69.7	71.3	74.0	74.0	75.8	76.6	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE	2500	58.1	70.3	72.0	74.9	74.9	76.7	77.4	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE	2000	59.0	71.9	73.7	76.6	76.6	78.4	79.6	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE	1800	59.0	71.9	73.8	76.9	76.9	78.9	79.7	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE	1500	59.7	72.9	74.8	78.3	78.3	80.4	81.2	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE	1200	60.6	74.3	76.6	80.3	80.3	82.8	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE	1000	61.2	75.6	77.8	81.8	81.8	84.2	85.1	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE	900	61.3	75.8	78.0	82.1	82.1	84.8	85.7	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE	800	61.4	76.6	78.9	83.0	83.0	86.0	86.9	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE	700	61.6	76.8	79.2	83.6	83.6	86.9	87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE	600	61.6	77.0	79.7	84.3	84.3	87.7	88.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE	500	61.6	77.1	79.9	84.9	84.9	88.4	89.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE	400	61.6	77.3	80.3	85.6	85.6	89.3	90.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE	300	61.6	77.3	80.4	85.7	85.7	90.0	91.2	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE	200	61.6	77.3	80.6	85.8	85.8	90.3	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE	100	61.6	77.3	80.6	85.8	85.8	90.3	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE	0	61.6	77.3	80.6	85.8	85.8	90.3	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGE MA

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(IST): 1800-2000

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		1	2	3	4	5	6	10	1	2	3	4	5	8	16	1/4	0
NO	CEIL	39.0	45.0	46.3	47.0	48.6	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE	20000	41.9	48.9	50.3	51.7	53.3	54.0	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE	18000	42.0	49.3	50.8	52.1	53.8	54.4	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE	16000	42.0	49.3	50.8	52.1	53.8	54.4	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE	14000	43.4	51.3	52.8	54.3	56.2	57.0	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE	12000	44.2	52.6	54.4	56.1	58.1	58.9	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE	10000	47.1	55.9	57.9	59.7	62.0	62.8	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE	9000	47.3	56.1	58.2	60.0	62.3	63.2	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE	8000	49.9	58.9	61.3	63.2	65.6	66.4	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE	7000	50.9	60.0	62.4	64.3	66.7	67.6	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE	6000	51.6	60.7	63.2	65.2	67.8	68.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE	5000	52.8	62.4	65.0	67.0	69.8	70.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE	4500	53.3	63.3	66.0	68.0	70.8	71.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE	4000	53.9	64.1	67.1	69.2	72.1	73.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE	3500	54.2	64.4	67.6	69.7	72.6	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE	3000	54.4	64.9	68.0	70.2	73.2	74.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE	2500	54.9	65.6	68.7	70.9	74.0	75.0	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE	2000	55.2	66.3	69.7	71.9	75.1	76.1	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE	1800	55.2	66.3	69.7	71.9	75.1	76.1	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE	1500	55.6	67.1	70.4	72.8	76.0	77.0	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE	1200	55.9	67.4	70.8	73.1	76.3	77.3	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE	1000	56.1	68.0	71.3	73.7	76.9	78.0	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE	900	56.1	68.2	71.6	73.9	77.3	78.4	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE	800	56.4	69.1	72.6	74.9	78.3	79.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE	700	56.8	69.8	73.3	75.9	79.3	80.6	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE	600	56.9	70.6	74.3	77.2	80.8	82.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE	500	57.3	71.2	75.3	78.4	82.3	83.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE	400	57.3	71.2	75.8	79.2	83.3	84.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE	300	57.3	71.4	76.1	80.1	85.1	86.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE	200	57.3	71.4	76.1	80.2	85.2	87.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE	100	57.3	71.4	76.1	80.2	85.3	87.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE	CE	57.3	71.4	76.1	80.2	85.3	87.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VRSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGR MA

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 2100-2300

VISIBILITY IN STATUTE MILES									
IN	1	GE	GE	GF	GE	GE	GE	GE	GE
FEET	10	0	5	4	3	2	1 1/2	1 1/4	1
NO	CEIL	1	42.0	48.3	50.5	52.3	54.1	54.2	54.6
GE	20000	42.9	49.6	52.1	53.9	55.7	55.6	56.1	56.4
GE	18000	42.9	49.6	52.4	54.2	56.0	56.1	56.4	56.8
GE	16000	42.9	49.8	52.4	54.3	56.1	56.2	56.6	56.9
GE	14000	43.7	50.6	53.4	55.0	57.3	57.4	58.1	58.1
GE	12000	44.3	51.2	54.1	56.2	58.0	58.3	59.0	59.0
GE	10000	45.8	53.0	55.9	58.2	60.1	60.4	61.2	61.2
GE	9000	46.1	53.3	56.2	58.7	60.6	60.9	61.7	61.7
GE	8000	47.7	55.2	58.1	60.6	62.7	63.0	63.8	63.8
GE	7000	48.6	56.1	59.0	61.4	63.6	64.3	64.7	64.7
GE	6000	50.1	58.1	61.2	63.9	66.4	66.8	67.8	67.8
GE	5000	52.0	60.9	64.0	66.8	69.6	70.1	71.1	71.1
GE	4500	52.7	61.6	64.6	67.6	70.6	70.9	71.9	71.9
GE	4000	52.9	62.8	66.1	68.9	71.9	72.2	73.2	73.2
GE	3500	53.0	62.9	66.2	69.0	72.0	72.3	73.3	73.3
GE	3000	53.8	63.7	67.0	69.8	72.9	73.2	74.2	74.2
GE	2500	53.8	63.8	67.4	70.2	73.3	73.7	74.7	74.7
GE	2000	53.9	63.9	67.7	70.6	73.8	74.2	75.2	75.2
GE	1800	54.0	64.1	67.9	70.8	74.0	74.4	75.4	75.4
GE	1500	55.0	65.6	69.3	72.2	75.4	75.9	76.9	76.9
GE	1200	55.1	65.8	69.6	72.4	75.9	76.3	77.3	77.3
GE	1000	55.7	66.6	70.3	73.2	76.9	77.3	78.3	78.3
GE	900	55.8	66.7	70.6	73.4	77.1	77.6	78.7	78.7
GE	800	55.8	67.0	70.9	73.9	77.6	78.0	79.1	79.2
GE	700	55.9	67.3	71.3	74.4	78.3	78.8	80.0	80.1
GE	600	55.9	67.4	71.6	74.7	78.9	79.6	81.1	81.3
GE	500	56.3	67.9	72.1	75.8	80.6	81.3	83.4	83.7
GE	400	56.6	68.6	73.2	77.3	82.7	83.2	86.6	86.8
GE	300	56.6	68.9	74.1	78.4	83.9	84.9	89.1	89.3
GE	200	56.6	69.9	74.1	78.7	85.1	86.3	92.0	92.9
GE	100	56.6	68.9	74.1	78.7	85.1	86.4	94.4	94.4
GE	0	56.6	68.9	74.1	78.7	85.1	86.4	94.4	94.4
GE	0	56.6	68.9	74.1	78.7	85.1	86.4	94.4	94.4

TOTAL NUMBER OF OBSERVATIONS: 944

94.4 95.9 96.1 97.8 100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725063 STATION NAME: OTIS ANG AIR MA

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): ALL

CEILING VISIBILITY IN STATUTE MILES

IN FEET	1	10	100	1000	GE	5	GE	4	GE	3	2 1/2	GE	2	1 1/2	GE	1 1/4	GE	1	3/4	GE	5/8	1/2	GE	5/16	1/4	GE	0
NO CELL	40.6	47.1	48.6	50.0	51.3	51.6	52.0	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.4
GE 20000	42.9	49.9	51.5	53.0	54.4	54.8	55.3	55.4	55.4	55.4	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 18000	43.0	50.1	51.7	53.3	54.6	55.0	55.5	55.6	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9
GE 16000	43.1	50.2	51.8	53.4	54.7	55.1	55.6	55.7	55.7	55.7	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 14000	44.2	51.6	53.2	55.0	56.4	56.8	57.3	57.4	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7
GE 12000	44.9	52.5	54.3	56.0	57.5	58.0	58.5	58.6	58.6	58.6	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9
GE 10000	46.8	54.7	56.5	58.4	60.1	60.5	61.1	61.2	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5
GE 9000	46.9	54.8	56.6	58.7	60.2	60.8	61.4	61.5	61.6	61.6	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 8000	48.7	57.1	59.3	61.4	63.2	63.6	64.3	64.4	64.4	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7
GE 7000	49.3	57.8	60.0	62.2	63.9	64.4	65.0	65.2	65.2	65.2	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5
GE 6000	50.0	58.7	61.0	63.2	65.1	65.6	66.3	66.4	66.4	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.8	66.8	66.8
GE 5000	51.3	60.4	62.8	65.1	67.2	67.6	68.4	68.5	68.5	68.5	68.5	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9
GE 4500	51.7	60.9	63.3	65.7	67.8	68.2	69.0	69.1	69.1	69.1	69.1	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5
GE 4000	52.6	62.3	64.6	67.2	69.3	69.8	70.6	70.8	70.8	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1
GE 3500	52.9	62.6	65.2	67.7	69.8	70.3	71.1	71.3	71.3	71.3	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6
GE 3000	53.8	63.7	66.4	68.9	71.1	71.6	72.5	72.7	72.7	72.7	72.7	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1
GE 2500	54.3	64.4	67.3	69.8	72.1	72.6	73.5	73.7	73.7	73.7	73.7	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1
GE 2000	54.8	65.3	68.3	70.9	73.3	73.9	74.9	75.1	75.1	75.1	75.1	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5
GE 1800	54.9	65.5	68.4	71.1	73.5	74.0	75.0	75.2	75.2	75.2	75.2	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6
GE 1500	55.4	66.3	69.4	72.1	74.6	75.1	76.2	76.4	76.4	76.4	76.4	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8
GE 1200	56.3	67.7	70.6	73.6	76.3	76.8	77.9	78.2	78.2	78.2	78.2	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6
GE 1000	56.7	68.4	71.6	74.5	77.3	77.9	79.0	79.4	79.4	79.4	79.4	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8
GE 900	56.8	68.6	71.8	74.8	77.7	78.3	79.5	79.9	80.0	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.4	80.4	80.4	80.4
GE 800	56.9	69.1	72.4	75.6	78.7	79.3	80.6	81.1	81.1	81.1	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5
GE 700	57.0	69.5	73.0	76.3	79.5	80.2	81.8	82.3	82.4	82.4	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8
GE 600	57.1	69.6	73.4	76.9	80.4	81.2	83.0	83.6	83.9	83.9	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 500	57.2	70.1	74.4	77.8	81.7	82.6	84.9	86.1	86.3	86.3	86.3	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 400	57.2	70.3	74.4	78.4	82.8	83.8	86.7	88.3	88.6	88.6	88.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 300	57.2	70.3	74.6	78.8	83.6	84.8	88.0	90.2	90.6	90.6	90.6	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 200	57.2	70.4	74.6	78.9	84.0	85.3	88.8	91.4	91.9	91.9	91.9	93.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 100	57.2	70.4	74.6	78.9	84.1	85.3	88.9	91.5	92.0	92.0	92.0	94.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE	57.2	70.4	74.6	78.9	84.1	85.3	88.9	91.5	92.0	92.0	92.0	94.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE	57.2	70.4	74.6	78.9	84.1	85.3	88.9	91.5	92.0	92.0	92.0	94.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	97.0	97.0	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725000 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 0600-0800

CEILING		VISIBILITY IN STATUTE MILES																PERCENTAGE FREQUENCY				
IN FEET	1	GE	GF	5	GE	GF	4	GE	2	GE	1 1/2	GF	1	GE	3/4	GF	5/8	1/2	GF	5/16	1/4	GF
NO CEIL	1	31.5	39.5	42.2	43.5	46.0	47.1	48.3	48.4	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.9	48.9
GE 20000	1	34.3	43.1	46.1	47.6	50.2	51.3	52.6	52.8	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.3
GE 18000	1	34.4	43.2	46.3	47.8	50.4	51.6	52.9	53.1	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.7	53.7
GE 16000	1	34.4	43.2	46.3	47.8	50.4	51.6	52.9	53.1	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.7	53.7
GE 14000	1	35.4	45.4	48.6	50.2	52.8	54.2	55.6	56.1	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7
GE 12000	1	36.1	46.2	49.6	51.2	54.0	55.4	56.9	57.4	57.6	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.0	58.0
GE 10000	1	37.7	49.0	52.8	54.7	57.5	59.1	60.6	61.3	61.5	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9
GE 9000	1	37.7	49.0	52.8	54.7	57.5	59.1	60.6	61.3	61.5	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9
GE 8000	1	40.8	53.0	56.9	58.6	61.9	63.5	65.2	65.9	66.1	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.6	66.6
GE 7000	1	41.6	54.3	58.2	60.1	63.2	64.8	66.5	67.2	67.4	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8
GE 6000	1	42.0	55.1	59.0	61.0	64.4	66.1	67.7	68.5	68.7	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1
GE 5000	1	43.1	56.1	60.2	62.2	65.6	67.3	68.9	69.7	69.9	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3
GE 4500	1	43.2	56.2	60.3	62.3	65.7	67.4	69.0	69.8	70.0	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4
GE 4000	1	43.3	56.6	60.6	62.6	66.0	67.7	69.4	70.1	70.3	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.8	70.8	70.8
GE 3500	1	43.3	56.6	60.6	62.6	66.2	68.0	69.6	70.3	70.5	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0
GE 3000	1	43.9	57.3	61.4	63.7	67.3	69.0	70.8	71.5	71.7	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.2	72.2	72.2
GE 2500	1	43.9	57.4	61.5	63.8	67.4	69.2	71.1	71.8	72.0	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6
GE 2000	1	44.5	58.2	62.3	64.6	68.3	70.2	72.2	72.9	73.1	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.7	73.7	73.7
GE 1800	1	44.5	58.2	62.3	64.6	68.3	70.2	72.2	72.9	73.1	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.7	73.7	73.7
GE 1600	1	44.7	58.7	62.9	65.3	69.0	71.0	72.9	73.8	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.5
GE 1500	1	44.7	58.7	62.9	65.3	69.0	71.0	72.9	73.8	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.5
GE 1200	1	45.2	59.4	63.8	66.1	69.9	71.8	73.8	74.6	74.8	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5
GE 1000	1	45.4	60.3	64.8	67.1	71.3	73.3	75.3	76.2	76.5	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.1	77.1	77.1
GE 900	1	45.6	60.6	65.2	67.6	72.0	74.2	76.1	77.1	77.3	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	78.0	78.0	78.0
GE 800	1	45.7	61.3	65.9	68.3	72.8	74.9	76.9	77.8	78.1	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7
GE 700	1	45.9	61.7	66.5	69.1	74.2	76.8	78.7	79.7	79.9	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5
GE 600	1	45.9	62.2	67.1	69.9	75.8	78.6	81.1	82.5	82.7	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5
GE 500	1	46.1	62.7	68.0	71.2	77.2	80.5	83.4	85.3	85.5	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3
GE 400	1	46.1	63.1	68.6	72.2	78.8	82.3	86.3	88.8	89.1	90.1	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6
GE 300	1	46.1	63.3	69.1	72.6	79.6	83.3	88.3	91.2	91.6	93.2	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3
GE 200	1	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.7	92.4	94.5	95.8	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6
GE 100	1	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.4	96.4	96.4
GE	1	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6
GE	1	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6
GE	1	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6
GE	1	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6
GE	1	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6
GE	1	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6
GE	1	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6
GE	1	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6
GE	1	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6
GE	1	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6
GE	1	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6
GE	1	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6
GE	1	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6
GE	1	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6
GE	1	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6
GE	1	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6
GE	1	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6
GE	1	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6
GE	1	46.1																				

ATTENTION: THE FOLLOWING INFORMATION IS UNCLASSIFIED

DATE: 10/10/00 BY: 1043

REASON: 1043

PERIOD OF RECORD: 17-86
 MONTH: JUL MONTHS: 1500-1700

DATE: 10/10/00 BY: 1043

REASON: 1043

PERIOD OF RECORD: 17-86

MONTH: JUL MONTHS: 1500-1700

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REASON: 1043

PERIOD OF RECORD: 17-86

MONTH: JUL MONTHS: 1500-1700

DATE: 10/10/00 BY: 1043

REASON: 1043

GLOBAL CLIMATELOGY DIVISION PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 LAJAFAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 705000 STATION NAME: OTIS ANG FIA

PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(IST): 0300-0500

CEILING VISIBILITY IN STATUTE MILES

IN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
NO CELL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	

TOTAL NUMBER OF OBSERVATIONS: 630

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(LST): 0900-1100

VISIBILITY IN STATUTE MILES									
CEILING	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4
NO CEIL	1	33.2	40.5	42.3	43.8	47.0	47.3	48.0	48.0
GE 20000	36.7	44.8	46.8	48.4	51.6	51.9	52.6	52.8	52.8
GE 18000	36.9	45.1	47.0	48.6	51.8	52.2	52.8	53.0	53.0
GE 16000	36.9	45.1	47.0	48.6	51.8	52.2	52.8	53.0	53.0
GE 14000	38.4	47.5	49.5	51.1	54.4	54.7	55.4	55.6	55.6
GE 12000	38.5	48.1	50.1	51.6	54.9	55.2	55.9	56.1	56.1
GE 10000	41.1	52.3	54.5	56.2	59.9	60.2	60.9	61.1	61.1
GE 9000	41.3	52.5	54.7	56.5	60.1	60.4	61.1	61.3	61.3
GE 8000	43.9	56.1	58.6	60.3	64.1	64.4	65.1	65.4	65.4
GE 7000	44.7	57.1	59.7	61.4	65.2	65.5	66.2	66.6	66.6
GE 6000	45.5	58.0	60.9	62.6	66.5	66.8	67.6	68.0	68.0
GE 5000	45.8	58.6	61.6	63.3	67.2	67.5	68.4	68.7	68.7
GE 4500	46.2	59.0	62.2	63.9	67.7	68.1	68.9	69.2	69.2
GE 4000	46.5	59.6	63.0	64.7	68.8	69.2	70.2	70.5	70.5
GE 3500	46.5	59.6	63.0	64.7	68.8	69.2	70.2	70.5	70.5
GE 3000	47.1	61.6	65.3	67.0	71.1	71.6	72.6	72.9	72.9
GE 2500	47.3	62.2	65.6	67.5	71.7	72.3	73.2	73.5	73.5
GE 2000	48.4	63.4	67.0	69.0	73.4	74.0	75.2	75.5	75.5
GE 1800	49.0	64.4	68.1	70.2	74.6	75.2	76.3	76.7	76.7
GE 1500	50.0	65.7	69.5	71.7	76.7	77.2	78.5	78.8	78.8
GE 1200	51.0	67.8	72.2	74.6	80.0	80.5	81.8	82.2	82.2
GE 1000	51.4	68.6	72.9	76.0	81.2	81.7	83.3	83.7	83.7
GE 900	51.4	68.9	73.2	76.6	81.9	82.5	84.3	84.7	84.7
GE 800	51.6	69.6	74.1	77.5	84.0	84.7	86.6	87.0	87.0
GE 700	51.9	70.4	75.3	78.8	85.7	86.5	88.7	89.2	89.2
GE 600	52.0	71.1	76.2	80.0	87.1	88.0	90.3	91.2	91.2
GE 500	52.0	71.1	76.7	81.1	88.2	89.5	92.0	93.2	93.2
GE 400	52.0	71.4	77.2	82.0	89.1	90.9	93.9	95.5	95.5
GE 300	52.0	71.6	77.4	82.4	89.7	91.4	94.5	96.2	96.2
GE 200	52.0	71.6	77.4	82.4	89.8	91.5	94.7	96.7	96.7
GE 100	52.0	71.6	77.4	82.4	89.8	91.5	94.7	96.7	96.7
GE 0	52.0	71.6	77.4	82.4	89.8	91.5	94.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANDRE MA
MONTH: AUG HOURS(IST): 1800-2000
PERIOD OF RECORD: 77-86

CEILING		VISIBILITY IN STATUTE MILES												GE			
IN	FEET	1	1 1/4	1 1/2	1 3/4	2	2 1/4	3	4	5	6	7	8	9	10	11	12
GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
NO	CEIL	1	30.9	37.0	39.9	41.5	42.9	43.4	44.9	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3
GE	20000	35.5	43.0	46.2	47.3	48.4	49.6	50.1	51.0	52.3	52.9	53.0	53.0	53.0	53.0	53.0	53.0
GE	18000	35.8	43.5	46.8	48.4	49.7	51.6	52.8	53.4	54.6	55.3	55.4	55.4	55.4	55.4	55.4	55.4
GE	16000	35.8	43.5	46.8	48.4	49.7	51.6	52.8	53.4	54.6	55.3	55.4	55.4	55.4	55.4	55.4	55.4
GE	14000	36.8	44.8	48.1	49.7	51.6	53.7	54.8	56.8	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5
GE	12000	37.7	46.2	49.9	51.5	53.7	55.2	56.6	59.2	60.8	61.6	61.8	61.8	61.8	61.8	61.8	61.8
GE	10000	39.7	48.7	52.6	54.4	57.2	58.6	60.9	63.1	64.7	66.2	66.5	66.5	66.5	66.5	66.5	66.5
GE	9000	39.8	48.9	52.9	54.5	57.3	58.7	61.0	63.2	65.3	66.2	66.5	66.5	66.5	66.5	66.5	66.5
GE	8000	40.9	51.5	55.9	58.0	61.2	62.9	65.3	67.2	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4
GE	7000	42.3	53.1	57.5	59.8	63.1	64.7	67.2	69.2	70.2	70.2	70.5	70.5	70.5	70.5	70.5	70.5
GE	6000	44.0	55.1	59.5	61.7	65.2	66.6	69.2	71.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE	5000	44.2	55.7	60.1	62.7	66.1	67.7	70.2	72.2	74.2	74.2	74.6	74.6	74.6	74.6	74.6	74.6
GE	4500	44.9	56.6	61.0	63.5	67.0	68.6	71.1	73.1	75.1	75.1	75.8	75.8	75.8	75.8	75.8	75.8
GE	4000	45.9	57.8	62.4	64.9	68.4	70.1	72.7	74.7	76.7	76.7	77.3	77.3	77.3	77.3	77.3	77.3
GE	3500	46.8	58.8	63.3	65.9	69.4	71.2	73.2	75.2	77.2	77.2	77.8	77.8	77.8	77.8	77.8	77.8
GE	3000	48.1	60.2	65.1	67.7	71.2	73.2	75.2	77.2	79.2	79.2	79.8	79.8	79.8	79.8	79.8	79.8
GE	2500	49.5	60.9	65.7	68.7	72.5	74.5	76.5	78.5	80.5	80.5	81.1	81.1	81.1	81.1	81.1	81.1
GE	2000	49.1	61.6	66.6	69.8	73.7	75.7	77.7	79.7	81.7	81.7	82.4	82.4	82.4	82.4	82.4	82.4
GE	1800	49.1	61.6	66.6	69.8	73.7	75.7	77.7	79.7	81.7	81.7	82.4	82.4	82.4	82.4	82.4	82.4
GE	1500	49.6	62.6	67.5	70.6	74.6	76.7	78.7	80.7	82.7	82.7	83.4	83.4	83.4	83.4	83.4	83.4
GE	1200	49.8	63.0	68.0	71.2	75.3	77.3	79.3	81.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0
GE	1000	50.4	63.9	68.9	72.3	76.7	78.7	80.7	82.7	84.7	84.7	85.4	85.4	85.4	85.4	85.4	85.4
GE	900	50.4	64.3	69.4	72.9	77.4	79.4	81.4	83.4	85.4	85.4	86.1	86.1	86.1	86.1	86.1	86.1
GE	800	50.6	64.8	70.3	73.9	78.6	80.6	82.6	84.6	86.6	86.6	87.3	87.3	87.3	87.3	87.3	87.3
GE	700	50.8	65.6	71.5	75.1	79.9	81.9	83.9	85.9	87.9	87.9	88.6	88.6	88.6	88.6	88.6	88.6
GE	600	50.9	66.2	72.5	76.3	81.6	83.8	85.8	87.8	89.8	89.8	90.5	90.5	90.5	90.5	90.5	90.5
GE	500	50.9	66.8	73.6	78.3	84.2	86.6	88.6	90.6	92.6	92.6	93.3	93.3	93.3	93.3	93.3	93.3
GE	400	50.9	68.8	73.9	78.8	84.9	87.4	89.4	91.4	93.4	93.4	94.1	94.1	94.1	94.1	94.1	94.1
GE	300	50.9	68.8	73.9	78.8	84.9	87.4	89.4	91.4	93.4	93.4	94.1	94.1	94.1	94.1	94.1	94.1
GE	200	50.9	68.8	73.9	78.8	84.9	87.4	89.4	91.4	93.4	93.4	94.1	94.1	94.1	94.1	94.1	94.1
GE	100	50.9	68.8	73.9	78.8	84.9	87.4	89.4	91.4	93.4	93.4	94.1	94.1	94.1	94.1	94.1	94.1
GE	31	50.9	68.8	73.9	78.8	84.9	87.4	89.4	91.4	93.4	93.4	94.1	94.1	94.1	94.1	94.1	94.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGE MA PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 2100-2300

CEILING		VISIBILITY IN STATUTE MILES																PERCENTAGE FREQUENCY			
IN	FEET	1	2	3	4	5	6	GE	GF	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	GE	
NO	CEIL	1	34.6	41.3	44.2	45.8	47.7	48.7	50.5	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.4	
GE	20000	36.9	44.5	47.6	49.7	51.6	52.7	53.1	54.6	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5	
GE	18000	37.2	44.9	48.1	50.1	52.0	53.1	53.1	55.1	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9	
GE	16000	37.2	44.9	48.1	50.1	52.0	53.1	53.1	55.1	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9	
GE	14000	38.9	46.6	50.1	52.2	54.2	55.3	55.3	57.2	57.6	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.1	
GE	12000	39.6	47.4	50.9	52.9	55.3	56.3	56.3	58.3	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.1	
GE	10000	40.6	48.8	52.4	54.7	57.5	58.6	58.6	60.5	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4	
GE	9000	41.0	49.1	52.7	55.1	57.8	58.9	58.9	60.9	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7	
GE	8000	43.1	53.0	56.6	59.1	62.0	63.1	63.1	65.1	65.8	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.5	
GE	7000	43.8	53.9	57.4	60.0	62.9	64.0	64.0	66.2	66.7	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	
GE	6000	44.6	54.6	58.4	61.0	63.9	65.2	65.2	67.4	67.8	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	
GE	5000	45.1	55.7	59.4	61.9	64.8	66.1	66.1	68.4	68.8	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	
GE	4500	45.3	56.3	60.2	62.9	65.8	67.1	67.1	69.4	69.8	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5	
GE	4000	45.6	57.0	60.9	63.7	66.6	67.8	67.8	70.1	70.5	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3	
GE	3500	45.8	57.3	61.2	64.0	66.9	68.2	68.2	70.4	70.9	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6	
GE	3000	46.1	57.6	61.6	64.5	67.4	68.7	68.7	71.6	72.0	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	
GE	2500	46.6	58.1	62.2	65.1	68.0	69.3	69.3	72.4	72.8	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5	
GE	2000	46.9	58.4	62.6	65.5	68.4	69.7	69.7	72.9	73.3	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1	
GE	1800	46.9	58.4	62.6	65.5	68.4	69.7	69.7	72.9	73.3	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1	
GE	1500	47.3	58.8	63.0	65.9	68.8	70.1	70.1	73.4	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6	
GE	1200	47.4	58.9	63.2	66.2	69.1	70.4	70.4	73.4	74.0	74.4	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2	
GE	1000	48.1	59.7	64.2	67.3	70.2	71.5	71.5	74.6	75.2	75.6	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3	
GE	900	48.2	59.9	64.5	67.6	70.5	71.8	71.8	75.0	75.7	76.2	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	
GE	800	48.3	60.3	65.1	68.4	71.3	72.6	72.6	76.0	76.8	77.3	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.1	
GE	700	48.5	61.5	66.3	69.8	72.7	74.0	74.0	77.4	78.4	78.9	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	
GE	600	48.6	62.6	67.6	71.3	74.2	75.5	75.5	78.8	80.4	81.2	81.5	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	
GE	500	48.9	63.0	69.1	73.4	76.3	77.6	77.6	81.0	82.9	84.9	85.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.9	
GE	400	49.1	63.4	70.2	75.2	78.1	79.4	79.4	83.0	84.0	84.9	85.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	
GE	300	49.1	63.5	70.5	75.6	78.5	79.8	79.8	83.4	84.4	84.9	85.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	
GE	200	49.1	63.5	70.5	75.6	78.5	79.8	79.8	83.4	84.4	84.9	85.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	
GE	100	49.1	63.5	70.5	75.6	78.5	79.8	79.8	83.4	84.4	84.9	85.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	
GE	0	49.1	63.5	70.5	75.6	78.5	79.8	79.8	83.4	84.4	84.9	85.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 GODFETAC
 AIR -FATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 725000 STATION NAME: OTIS ANGUS MA

PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(UT): ALL

CEILING VISIBILITY IN STATUTE MILES

IN	1	CE	GE	0	5	4	GF	GE	2	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0
FEET	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NO CEIL	31.6	38.9	41.0	42.5	44.6	45.1	46.1	46.6	46.7	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 20000	35.2	43.4	45.7	47.4	49.7	50.2	51.4	52.0	52.1	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 18000	35.4	43.6	45.9	47.6	49.9	50.5	51.6	52.2	52.3	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 16000	35.4	43.6	45.9	47.6	49.9	50.5	51.6	52.2	52.3	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 14000	36.5	45.1	47.6	49.3	51.8	52.5	53.7	54.4	54.5	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 12000	37.1	45.9	48.3	50.3	52.5	53.6	54.9	55.6	55.7	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 10000	39.1	48.6	51.0	53.5	56.5	57.2	58.7	59.4	59.5	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 9000	39.3	48.8	51.3	53.8	56.7	57.5	58.9	59.7	59.8	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 8000	41.6	52.1	55.4	57.9	60.5	61.4	62.9	63.7	63.8	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 7000	42.3	52.9	56.1	58.2	61.4	62.3	63.8	64.6	64.7	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 6000	43.2	53.9	57.1	59.3	62.5	63.4	65.0	65.8	65.9	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 5000	43.6	54.5	58.1	60.4	63.6	64.6	66.1	67.0	67.1	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 4500	43.9	55.3	58.7	61.0	64.3	65.2	66.7	67.6	67.8	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 4000	44.7	56.5	60.0	62.5	65.8	66.8	68.4	69.3	69.4	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 3500	45.0	57.0	60.5	63.0	66.4	67.3	68.9	69.9	70.0	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 3000	45.8	58.5	62.1	64.5	68.3	69.4	71.1	72.1	72.2	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 2500	46.4	59.3	63.0	65.7	69.4	70.5	72.3	73.3	73.4	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 2000	47.1	60.2	64.1	66.9	70.6	71.6	73.7	74.7	74.8	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 1800	47.2	60.5	64.3	67.2	70.9	72.1	74.0	75.0	75.1	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 1500	48.0	61.5	65.4	68.4	72.2	73.5	75.5	76.4	76.6	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 1200	48.6	62.5	66.7	69.5	73.5	75.2	77.2	78.2	78.3	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 1000	48.9	63.2	67.4	70.3	74.6	76.2	78.4	79.4	79.6	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 900	49.1	63.5	67.8	71.3	75.6	76.9	79.1	80.2	80.4	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 800	49.3	64.0	68.3	72.1	76.4	76.2	80.5	81.7	81.8	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 700	49.5	64.8	69.0	73.4	78.5	80.0	82.9	83.6	83.7	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 600	49.6	65.4	70.4	74.4	79.6	81.4	84.1	85.3	85.5	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 500	49.8	65.8	71.4	76.0	81.9	83.6	86.6	88.2	88.4	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 400	49.9	66.1	71.5	76.3	83.0	85.0	88.3	90.3	90.5	91.5	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 300	49.9	66.1	72.1	77.2	83.0	85.8	89.4	91.8	92.1	93.5	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 200	49.9	66.2	72.2	77.2	83.5	86.1	90.1	92.7	93.2	95.0	96.0	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 100	49.9	66.2	72.2	77.2	83.9	86.1	90.1	92.9	93.7	95.5	96.6	96.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE	49.9	66.2	72.2	77.2	83.9	86.1	90.1	92.9	93.3	95.5	96.7	96.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS: 1459

GENERAL CLIMATOLOGY BRANCH
WAFSCATAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ARMB MA

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(IST): 0600-0800

CEILING VISIBILITY IN STATUTE MILES

IN	1	GE	6	5	4	3	2	1 1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	1/8
FEET	10	GE	6	5	4	3	2	1 1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	1/8
NO CEIL	39.3	43.9	45.2	46.9	47.9	48.0	49.0	49.2	49.3	49.6	49.8	49.8	49.8	50.1	50.1	50.1	50.6
GE 2000	42.6	48.3	49.7	51.7	52.8	52.9	54.0	54.3	54.6	54.9	55.1	55.1	55.1	55.4	55.4	55.4	55.9
GE 1800	42.9	48.8	50.1	52.1	53.2	53.3	54.4	54.8	55.0	55.3	55.6	55.6	55.6	55.9	55.9	55.9	56.3
GE 1600	42.9	48.8	50.1	52.1	53.2	53.3	54.4	54.8	55.0	55.3	55.6	55.6	55.6	55.9	55.9	55.9	56.3
GE 1400	44.7	51.0	52.3	54.3	55.4	55.6	56.7	57.0	57.2	57.6	57.8	57.8	57.8	58.1	58.1	58.1	58.6
GE 1200	46.0	52.3	53.7	55.7	56.9	57.0	58.1	58.4	58.7	59.0	59.2	59.2	59.2	59.6	59.6	59.6	60.0
GE 1000	48.6	55.4	56.9	59.1	60.6	60.7	61.8	62.2	62.4	62.6	63.0	63.0	63.0	63.3	63.3	63.3	63.8
GE 900	48.6	55.4	56.9	59.1	60.6	60.7	61.8	62.2	62.4	62.6	63.0	63.0	63.0	63.3	63.3	63.3	63.8
GE 800	50.7	58.1	59.6	62.1	63.7	63.8	65.1	65.6	65.8	66.1	66.3	66.3	66.3	66.8	66.8	66.8	67.2
GE 700	51.1	58.6	60.2	62.7	64.2	64.3	65.8	66.2	66.4	66.6	67.0	67.0	67.0	67.4	67.4	67.4	67.9
GE 600	51.4	59.1	60.8	63.2	65.0	65.1	66.6	67.0	67.2	67.6	67.8	67.8	67.8	68.2	68.2	68.2	68.7
GE 500	52.2	60.2	61.9	64.4	66.3	66.4	68.1	68.6	68.8	69.1	69.3	69.3	69.3	69.8	69.8	69.8	70.2
GE 400	53.1	61.4	63.1	65.7	67.8	67.9	69.6	70.0	70.2	70.5	70.8	70.8	70.8	71.2	71.2	71.2	71.7
GE 300	54.2	62.8	64.6	67.1	69.2	69.3	71.1	71.6	71.8	72.1	72.3	72.3	72.3	72.8	72.8	72.8	73.3
GE 200	54.3	63.0	64.8	67.3	69.4	69.5	71.3	71.9	72.1	72.4	72.7	72.7	72.7	73.1	73.1	73.1	73.7
GE 100	54.6	63.4	65.2	67.9	70.2	70.3	72.3	72.9	73.1	73.4	73.7	73.7	73.7	74.1	74.1	74.1	74.7
GE 2500	55.1	64.4	66.4	69.2	71.6	71.6	73.9	74.6	74.8	75.1	75.3	75.3	75.3	75.8	75.8	75.8	76.3
GE 2000	56.1	66.2	68.4	71.3	73.7	74.1	76.2	76.9	77.1	77.4	77.7	77.7	77.7	78.1	78.1	78.1	78.7
GE 1800	56.3	66.6	68.8	71.7	74.0	74.4	76.6	77.2	77.4	77.6	77.8	77.8	77.8	78.4	78.4	78.4	79.0
GE 1600	56.9	67.4	69.5	72.8	75.2	75.6	77.9	78.6	78.8	79.1	79.3	79.3	79.3	79.8	79.8	79.8	80.3
GE 1400	57.0	68.1	71.0	73.9	76.3	76.9	79.0	79.7	79.9	80.2	80.4	80.4	80.4	80.9	80.9	80.9	81.4
GE 1200	57.0	68.7	71.9	74.9	77.3	77.9	80.0	80.7	80.9	81.2	81.4	81.4	81.4	81.9	81.9	81.9	82.4
GE 1000	57.0	69.7	73.0	76.0	78.4	79.0	81.3	82.0	82.2	82.6	82.8	83.1	83.3	83.8	83.8	83.8	84.4
GE 900	57.4	70.0	73.3	76.4	78.9	79.4	81.9	82.6	82.8	83.1	83.3	83.3	83.3	83.8	83.8	83.8	84.4
GE 800	57.7	70.4	74.2	77.9	80.6	81.3	83.8	84.4	84.7	85.0	85.2	85.2	85.2	85.7	85.7	85.7	86.3
GE 700	57.7	70.7	74.6	78.6	81.6	82.2	84.8	85.6	86.0	86.4	86.7	86.7	86.7	87.1	87.1	87.1	87.9
GE 600	57.8	71.2	75.7	79.7	83.1	84.1	86.3	86.8	87.0	87.6	87.8	87.8	87.8	88.2	88.2	88.2	88.9
GE 500	57.9	71.4	76.2	80.6	84.2	85.3	88.3	88.3	88.8	89.6	89.6	89.6	89.6	90.2	90.2	90.2	90.9
GE 400	57.9	71.4	76.2	80.6	84.2	85.3	88.3	88.3	88.8	89.6	89.6	89.6	89.6	90.2	90.2	90.2	90.9
GE 300	57.9	71.4	76.2	80.6	84.2	85.3	88.3	88.3	88.8	89.6	89.6	89.6	89.6	90.2	90.2	90.2	90.9
GE 200	57.9	71.4	76.2	80.6	84.2	85.3	88.3	88.3	88.8	89.6	89.6	89.6	89.6	90.2	90.2	90.2	90.9
GE 100	57.9	71.4	76.2	80.6	84.2	85.3	88.3	88.3	88.8	89.6	89.6	89.6	89.6	90.2	90.2	90.2	90.9
GE 50	57.9	71.4	76.2	80.6	84.2	85.3	88.3	88.3	88.8	89.6	89.6	89.6	89.6	90.2	90.2	90.2	90.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATELOGY BRANCH
J. ABLETTAC

FROM HCCULTY OBSERVATIONS

ALC - FATH - SFHVICT/MAC

STATION NUMBER: 75000 STATION NAME: OTIS AVE MA

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(EST): 930-1100

MONTH: SEP HOURS(LST): 0900-1100

94171:7

STIMULI, MILLISIA

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TOTAL NUMBER OF COPIES AVAILABLE:

GLOBAL CLIMATE POLICY - RANGE OF FACTORS AFFECTING FREQUENCY OF OCCURRENCE OF DUTTING WINDS VISIBILITY FROM HOVELLY OBSERVATIONS

STATION NUMBER: 75500 STATION NAME: OTIS AVE WA
PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 2100-2300

09177177
VISIBILITY IN STATUTE MILES

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	65.7	65.7	65.8	65.6	65.7	65.7	66.0	66.2	66.4
at 1000C	51.7	58.1	61.3	63.2	65.3	65.7	65.9	66.0	66.4

[illegible][illegible]

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																																																																																																																																																																		
57.3	58.0	58.7	59.4	60.1	60.8	61.5	62.2	62.9	63.6	64.3	65.0	65.7	66.4	67.1	67.8	68.5	69.2	69.9	70.6	71.3	72.0	72.7	73.4	74.1	74.8	75.5	76.2	76.9	77.6	78.3	79.0	79.7	80.4	81.1	81.8	82.5	83.2	83.9	84.6	85.3	86.0	86.7	87.4	88.1	88.8	89.5	90.2	90.9	91.6	92.3	93.0	93.7	94.4	95.1	95.8	96.5	97.2	97.9	98.6	99.3	100.0	100.7	101.4	102.1	102.8	103.5	104.2	104.9	105.6	106.3	107.0	107.7	108.4	109.1	109.8	110.5	111.2	111.9	112.6	113.3	114.0	114.7	115.4	116.1	116.8	117.5	118.2	118.9	119.6	120.3	121.0	121.7	122.4	123.1	123.8	124.5	125.2	125.9	126.6	127.3	128.0	128.7	129.4	130.1	130.8	131.5	132.2	132.9	133.6	134.3	135.0	135.7	136.4	137.1	137.8	138.5	139.2	139.9	140.6	141.3	142.0	142.7	143.4	144.1	144.8	145.5	146.2	146.9	147.6	148.3	149.0	149.7	150.4	151.1	151.8	152.5	153.2	153.9	154.6	155.3	156.0	156.7	157.4	158.1	158.8	159.5	160.2	160.9	161.6	162.3	163.0	163.7	164.4	165.1	165.8	166.5	167.2	167.9	168.6	169.3	170.0	170.7	171.4	172.1	172.8	173.5	174.2	174.9	175.6	176.3	177.0	177.7	178.4	179.1	179.8	180.5	181.2	181.9	182.6	183.3	184.0	184.7	185.4	186.1	186.8	187.5	188.2	188.9	189.6	190.3	191.0	191.7	192.4	193.1	193.8	194.5	195.2	195.9	196.6	197.3	198.0	198.7	199.4	200.1	200.8	201.5	202.2	202.9	203.6	204.3	205.0	205.7	206.4	207.1	207.8	208.5	209.2	209.9	210.6	211.3	212.0	212.7	213.4	214.1	214.8	215.5	216.2	216.9	217.6	218.3	219.0	219.7	220.4	221.1	221.8	222.5	223.2	223.9	224.6	225.3	226.0	226.7	227.4	228.1	228.8	229.5	230.2	230.9	231.6	232.3	233.0	233.7	234.4	235.1	235.8	236.5	237.2	237.9	238.6	239.3	240.0	240.7	241.4	242.1	242.8	243.5	244.2	244.9	245.6	246.3	247.0	247.7	248.4

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TOTAL NUMBER OF OBSERVATIONS: 933

TOTAL NUMBER OF OBSERVATIONS: 933

GLOBAL CLIMATOLOGY BRANCH
UNAFETAC
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANG6 MA

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): ALL

CEILING IN FEET VISIBILITY IN STATUTE MILES

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
NO CEIL	43.2	48.9	50.3	51.4	52.0	52.7	53.1	53.3	53.4	53.4	53.5	53.5	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 20000	47.4	53.9	55.0	57.0	58.2	58.5	59.0	59.2	59.3	59.4	59.4	59.5	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 18000	47.6	54.2	55.9	57.2	58.5	58.7	59.3	59.5	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 16000	47.6	54.2	55.9	57.2	58.5	58.7	59.3	59.5	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 14000	49.1	55.8	57.6	59.0	60.3	60.5	61.1	61.3	61.4	61.4	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 12000	50.2	57.1	58.9	60.3	61.6	61.8	62.4	62.6	62.7	62.8	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 10000	52.0	59.1	61.1	62.6	64.0	64.2	64.8	65.1	65.2	65.2	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 9000	52.1	59.3	61.3	62.7	64.1	64.3	65.0	65.2	65.3	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 8000	54.3	61.7	63.8	65.4	66.9	67.1	67.8	68.1	68.2	68.3	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 7000	54.9	62.4	64.5	66.0	67.4	67.8	68.5	68.8	68.9	69.0	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 6000	55.3	63.0	65.2	66.8	68.4	68.6	69.4	69.7	69.8	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 5000	56.3	64.3	66.6	68.3	70.0	70.2	71.0	71.3	71.4	71.5	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 4500	56.9	65.0	67.4	69.1	70.9	71.1	71.9	72.2	72.3	72.4	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 4000	58.4	66.9	69.4	71.2	73.0	73.3	74.1	74.4	74.5	74.6	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 3500	58.8	67.3	69.8	71.7	73.5	73.6	74.6	74.9	75.0	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 3000	59.9	69.0	71.6	73.6	75.5	75.6	76.7	77.0	77.1	77.2	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 2500	60.8	70.2	72.9	75.0	77.0	77.4	78.3	78.7	78.8	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 2000	61.7	71.7	74.6	76.8	78.9	79.3	80.3	80.7	80.8	80.9	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 1800	61.9	72.0	75.0	77.2	79.3	79.6	80.7	81.1	81.2	81.3	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 1500	62.7	73.3	76.5	78.8	81.0	81.4	82.5	82.8	82.9	83.0	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 1200	63.4	74.5	77.8	80.2	82.5	82.9	84.1	84.4	84.6	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 1000	63.6	75.2	78.7	81.2	83.7	84.1	85.3	85.6	85.7	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 900	63.8	75.6	79.2	81.8	84.4	84.8	86.0	86.4	86.5	86.6	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 800	64.0	76.2	79.9	82.7	85.3	85.6	87.1	87.6	87.7	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 700	64.3	76.8	80.8	83.6	86.7	87.2	88.6	89.1	89.2	89.3	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 600	64.4	77.2	81.4	84.7	87.7	88.3	89.9	90.5	90.7	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 500	64.5	77.6	82.2	85.7	89.0	89.9	91.6	92.5	92.8	93.0	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 400	64.5	77.7	82.4	86.2	89.8	90.8	92.9	94.0	94.3	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 300	64.5	77.7	82.5	86.4	90.2	91.4	93.7	95.0	95.4	96.1	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 200	64.5	77.7	82.5	86.4	90.3	91.5	94.0	95.5	95.9	96.8	97.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 100	64.5	77.7	82.5	86.4	90.3	91.5	94.0	95.5	95.9	97.0	97.7	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 01	64.5	77.7	82.5	86.4	90.3	91.5	94.0	95.5	95.9	97.0	97.7	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS: 7700

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(IST): 0000-0200

VISIBILITY IN STATUTE MILES									
IN	1	GE	GE	GE	GE	GE	GE	GE	GE
FLEET	1	10	5	4	2	1/2	1	1/4	0
NO CEIL	1	41.5	48.6	49.5	50.0	50.8	50.8	51.6	52.2
GE 20000	44.5	51.7	52.7	53.2	54.0	54.0	55.1	55.4	55.4
GE 18000	44.5	51.7	52.7	53.2	54.0	54.0	55.1	55.4	55.4
GE 16000	44.5	51.7	52.7	53.2	54.0	54.0	55.1	55.4	55.4
GE 14000	45.4	52.8	53.8	54.3	55.1	55.1	56.1	56.5	56.5
GE 12000	45.8	53.5	54.5	55.1	55.9	55.9	57.0	57.3	57.3
GE 10000	47.5	55.9	57.2	57.7	58.6	58.6	59.7	60.1	60.1
GE 9000	47.5	55.9	57.2	57.7	58.6	58.6	59.7	60.1	60.1
GE 8000	49.6	58.2	59.6	60.3	61.2	61.2	62.3	62.8	62.8
GE 7000	50.2	59.1	60.5	61.3	62.2	62.2	63.2	63.8	63.8
GE 6000	51.4	61.2	62.7	63.4	64.4	64.4	65.5	66.0	66.0
GE 5000	52.2	62.6	64.3	65.2	66.1	66.1	67.2	67.7	67.7
GE 4500	53.0	63.4	65.3	66.2	67.2	67.2	68.3	68.8	68.8
GE 4000	54.8	65.6	67.4	68.5	69.5	69.5	70.5	71.1	71.1
GE 3500	55.2	66.6	68.4	69.5	70.5	70.5	71.6	72.2	72.2
GE 3000	56.7	68.9	71.0	73.1	74.2	74.2	75.6	76.1	76.1
GE 2500	59.2	71.9	74.7	76.2	77.3	77.3	78.7	79.2	79.2
GE 2000	60.0	73.1	76.1	77.7	78.9	78.9	80.3	80.9	80.9
GE 1800	60.0	73.1	76.2	77.8	79.0	79.0	80.4	81.0	81.0
GE 1500	60.2	73.4	76.7	78.4	79.6	79.6	81.0	81.5	81.5
GE 1200	60.2	73.9	77.2	78.9	80.2	80.2	81.7	82.3	82.3
GE 1000	60.6	74.2	77.5	79.5	80.8	80.8	82.6	83.4	83.4
GE 900	60.6	74.6	78.2	80.3	81.6	81.6	83.9	84.7	84.7
GE 800	60.9	75.2	78.7	81.0	82.6	82.6	84.9	85.8	85.8
GE 700	61.1	75.6	79.2	81.6	83.3	83.3	85.7	86.7	86.7
GE 600	61.1	75.9	79.7	82.0	84.3	84.3	86.7	87.6	87.6
GE 500	61.1	76.1	79.9	82.7	85.3	85.3	87.6	88.7	88.7
GE 400	61.2	76.2	80.0	83.1	86.2	86.2	89.0	90.1	90.1
GE 300	61.2	77.1	80.9	84.0	87.3	87.3	90.9	92.0	92.0
GE 200	61.2	77.2	81.0	84.1	87.6	87.6	91.5	92.7	92.7
GE 100	61.3	77.3	81.1	84.2	87.7	87.7	91.6	92.8	92.8
GE	61.3	77.3	81.1	84.2	87.7	87.7	91.6	92.8	92.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANCE MA
MONTH: OCT HOURS(LEST): 0300-0500

CEILING		VISIBILITY IN STATUTE MILES																PERIOD OF RECORD: 77-86			
IN		1		2		3		4		5		6		7		8		9		10	
FEET		1	1/2	1	1/2	1	1/2	1	1/2	1	1/2	1	1/2	1	1/2	1	1/2	1	1/2	1	1/2
		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
NO CEIL	1 38.2	44.7	45.3	46.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 2000	40.9	47.5	48.0	49.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 1800	40.9	47.6	48.3	49.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 1600	40.9	47.6	48.3	49.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 1400	42.0	49.2	50.0	51.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 1200	42.0	49.7	50.4	52.0	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 1000	45.5	53.9	54.7	56.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 900	45.8	54.2	55.1	56.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 800	48.4	57.1	58.3	59.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 700	49.1	58.0	59.1	60.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 600	50.2	59.6	61.1	62.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 500	51.5	61.4	62.9	64.5	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 450	52.2	62.0	63.5	65.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 400	53.8	63.7	65.4	67.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 350	54.7	64.5	66.7	68.4	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 300	57.1	68.2	70.1	72.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 250	58.6	70.1	72.0	74.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 200	59.6	72.0	74.3	76.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 180	59.6	72.2	74.4	76.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 160	60.2	72.7	75.1	77.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 140	60.4	73.1	75.7	78.0	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 120	60.6	73.4	76.0	78.6	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 100	60.8	73.9	76.5	79.1	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 80	60.8	74.4	77.0	79.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 70	60.8	74.9	77.7	80.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 60	60.9	75.5	78.5	81.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 50	61.0	75.8	79.1	82.0	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 40	61.0	75.8	79.2	82.4	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 30	61.0	75.8	79.5	82.8	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 20	61.1	76.0	79.7	83.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 10	61.2	76.1	79.8	83.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 0	61.2	76.1	79.8	83.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6

TOTAL NUMBER OF OBSERVATIONS: 730

VERSUS VISIBILITY

VISIBILITY IN STATUTE MILES

GE	GE	GE	GE	GE
7/4	5/8	1/2	5/16	1/4
GE	GE	GE	GE	GE
0	0	0	0	0

44.0 44.0 44.0 44.1 44.2

	48.5	48.5	48.7	46.9
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48.8	48.8	48.8	48.9	49.1
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52.0	52.0	52.0	52.1	52.3
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	56.9	56.5	56.5	56.5	56.6	56.6
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Year	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Value	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.8

	63.9	63.9	63.9	64.0	64.3
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	66.5	66.5	66.5	66.8
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70.0	70.0	70.0	70.0	70.1	70.3
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	75.1	75.1	75.1	75.6
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[illegible][illegible]

84.5 84.5 84.5 84.6 84.9

5.58 5.58 5.58 5.58 5.58

[illegible]

1.68 8.88 1.88 1.88 1.88

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100

97.0	96.6	95.0	95.2	97.2
97.0	96.6	95.0	95.2	97.2

T0000 0000 0000 0000

[illegible]

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GLOBAL CLIMATOLOGY BRANCH
JAFAPETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGR MA

PERIOD OF RECORD: 77-86

MONTH: OCT HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES										PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY									
	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/2	3	4	5	6	7	8	9	10	11	12	13	14	15
NO CEIL	41.0	45.7	46.5	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 20000	44.3	49.4	50.1	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 18000	44.6	49.7	50.4	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 16000	44.6	49.7	50.4	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 14000	45.7	51.0	51.7	51.8	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 12000	46.2	52.6	53.3	53.4	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 10000	50.3	56.8	57.6	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 9000	50.3	56.8	57.6	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 8000	53.1	60.0	60.9	61.0	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 7000	53.5	60.8	61.6	61.7	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 6000	54.4	61.7	62.6	62.7	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 5000	56.1	63.8	64.7	64.8	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 4500	56.1	64.1	65.1	65.2	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 4000	57.7	66.1	67.1	67.3	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 3500	61.2	69.7	70.6	70.9	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 3000	63.7	73.1	74.4	74.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 2500	66.3	76.0	77.3	77.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 2000	67.4	77.5	78.9	79.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 1800	67.6	77.7	79.2	79.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 1500	68.6	79.5	81.1	81.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 1200	69.5	81.0	82.7	83.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 1000	69.8	81.7	83.5	84.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 900	69.9	81.8	83.9	84.5	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 800	69.9	82.5	84.7	85.4	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 700	70.1	82.9	85.4	86.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 600	70.1	83.1	85.6	86.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 500	70.2	83.4	86.1	87.1	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 400	70.2	83.5	86.2	87.3	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 300	70.2	83.5	86.3	87.5	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 200	70.2	83.5	86.3	87.5	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 100	70.2	83.5	86.3	87.5	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 01	70.2	83.5	86.3	87.5	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4

TOTAL NUMBER OF OBSERVATIONS: 530

STATION NUMBER: 100-100000

DATE: 10/10/1964

MONITORING: MONITORING

STATION NUMBER: 100-100000

DATE: 10/10/1964

MONITORING: MONITORING

STATION NUMBER: 100-100000

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MONITORING: MONITORING

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STATION NUMBER: 100-100000

DATE: 10/10/1964

MONITORING: MONITORING

STATION NUMBER: 100-100000

DATE: 10/10/1964

TOTAL NUMBER OF OBSERVATIONS: 100

WIND SPEED AND DIRECTION FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 725000 STATION NAME: OTIS ANGEL MA PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(UT): 2100-2300

CEILING

IN FEET	VISIBILITY IN STATUTE MILES									
	1	1 1/2	2	2 1/2	3	4	5	6	7	8
NO CELL	45.9	51.5	52.2	53.0	53.4	54.0	54.6	54.6	54.7	54.8
GE 20000	48.0	53.0	54.4	55.3	56.1	56.3	57.1	57.1	57.2	57.3
GE 18000	48.1	53.9	54.5	55.4	56.2	56.5	57.2	57.2	57.3	57.4
GE 16000	48.1	53.9	54.5	55.4	56.2	56.5	57.2	57.2	57.3	57.4
GE 14000	48.0	55.2	55.8	56.7	57.5	57.7	58.5	58.5	58.6	58.7
GE 12000	49.5	55.9	56.0	57.4	58.3	58.5	59.2	59.2	59.4	59.5
GE 10000	50.3	57.1	58.1	58.9	59.9	60.2	61.0	61.0	61.1	61.2
GE 9000	50.5	57.3	58.3	59.1	60.1	60.4	61.2	61.2	61.3	61.4
GE 8000	52.9	60.3	61.3	62.3	63.2	63.5	64.3	64.3	64.4	64.5
GE 7000	52.3	61.2	62.2	63.1	64.1	64.4	65.2	65.2	65.3	65.4
GE 6000	54.1	62.2	63.1	64.1	65.1	65.4	66.1	66.1	66.2	66.3
GE 5000	55.1	63.4	64.5	65.0	66.6	66.9	67.7	67.7	67.8	68.0
GE 4500	55.5	64.0	65.1	66.3	67.4	67.7	68.6	68.6	68.7	68.8
GE 4000	57.2	66.1	67.7	69.1	70.2	70.6	71.7	71.7	71.8	71.9
GE 3500	58.4	68.0	69.9	71.5	72.6	73.2	74.2	74.2	74.3	74.4
GE 3000	59.9	69.5	71.5	73.3	74.4	75.1	76.0	76.0	76.1	76.2
GE 2500	60.6	71.1	73.4	75.4	76.6	77.2	78.2	78.2	78.3	78.4
GE 2000	61.6	72.9	75.7	77.7	79.9	79.6	80.5	80.5	80.6	80.8
GE 1800	61.7	73.1	76.0	78.1	79.2	79.9	80.9	80.9	81.0	81.1
GE 1500	62.2	74.3	77.2	79.7	81.0	81.6	82.6	82.6	82.7	82.8
GE 1200	62.5	74.6	77.6	80.1	81.6	82.3	83.2	83.2	83.3	83.4
GE 1000	62.5	74.8	77.8	80.4	82.6	83.2	84.3	84.3	84.5	84.6
GE 900	62.5	75.5	78.6	81.4	83.7	84.3	85.6	85.6	85.7	85.9
GE 800	62.5	75.7	78.8	81.9	84.2	84.9	86.2	86.2	86.5	86.7
GE 700	62.5	75.8	78.9	82.2	84.5	85.3	86.6	86.6	87.0	87.2
GE 600	62.5	75.9	79.4	82.5	85.4	86.1	87.4	87.4	87.8	88.1
GE 500	62.5	76.2	79.9	83.8	86.5	87.3	88.6	88.6	89.4	89.6
GE 400	62.6	76.5	80.3	84.4	87.3	88.5	89.9	89.9	90.6	91.3
GE 300	62.6	76.9	81.0	85.5	88.9	90.1	91.8	91.8	93.2	94.2
GE 200	62.6	76.9	81.0	85.7	89.1	90.3	92.7	94.1	94.9	95.7
GE 100	62.6	76.9	81.0	85.7	89.1	90.3	92.9	94.6	95.6	97.3
GE	62.6	76.9	81.0	85.7	89.1	90.3	92.9	94.6	95.6	97.5

TOTAL NUMBER OF OBSERVATIONS: 930

VERSUS VISIBILITY

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): ALL

CEILING IN FEET		VISIBILITY IN STATUTE MILES															
		GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CLIL	42.0	47.0	48.0	48.0	49.1	49.3	49.6	49.7	49.7	49.7	49.8	49.9	49.9	49.9	50.0	50.0	50.0
GE 20000	44.9	50.2	51.2	51.9	52.5	52.6	53.0	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.3	53.4	53.4
GE 18000	45.0	50.4	51.4	52.0	52.6	52.6	53.2	53.2	53.2	53.2	53.3	53.4	53.4	53.4	53.5	53.5	53.5
GE 16000	45.0	50.4	51.4	52.0	52.6	52.6	53.2	53.2	53.2	53.2	53.3	53.4	53.4	53.4	53.5	53.5	53.5
GE 14000	45.0	51.6	52.6	53.3	54.0	54.1	54.5	54.6	54.6	54.6	54.7	54.7	54.8	54.8	54.8	54.8	54.9
GE 12000	46.5	52.6	53.7	54.4	55.1	55.2	55.6	55.7	55.7	55.7	55.8	55.9	55.9	55.9	56.0	56.0	56.0
GE 10000	49.2	55.8	57.2	57.9	58.7	58.8	59.2	59.3	59.3	59.3	59.4	59.5	59.5	59.5	59.6	59.6	59.6
GE 9000	49.4	56.0	57.4	58.1	58.9	59.1	59.5	59.6	59.6	59.6	59.7	59.7	59.8	59.8	59.8	59.9	59.9
GE 8000	51.6	58.7	60.2	61.0	61.9	62.0	62.5	62.6	62.6	62.6	62.7	62.7	62.8	62.8	62.8	62.9	62.9
GE 7000	52.0	59.5	60.9	61.8	62.7	62.9	63.3	63.4	63.4	63.4	63.5	63.6	63.6	63.7	63.7	63.7	63.7
GE 6000	53.9	60.8	62.3	63.2	64.1	64.3	64.7	64.8	64.8	64.8	64.9	65.0	65.0	65.1	65.1	65.2	65.2
GE 5000	54.4	62.6	64.3	65.2	66.2	66.3	66.9	67.0	67.0	67.0	67.1	67.1	67.2	67.2	67.3	67.3	67.3
GE 4500	55.1	63.5	65.1	66.2	67.1	67.3	67.8	67.9	67.9	67.9	68.0	68.1	68.1	68.2	68.2	68.2	68.2
GE 4000	56.8	65.6	67.4	68.5	69.5	69.7	70.2	70.4	70.4	70.4	70.5	70.6	70.6	70.7	70.7	70.7	70.7
GE 3500	58.7	67.8	69.7	70.8	71.9	72.1	72.6	72.8	72.8	72.8	73.0	73.1	73.1	73.2	73.2	73.2	73.2
GE 3000	60.8	70.6	72.6	74.0	75.2	75.4	76.0	76.2	76.2	76.2	76.3	76.4	76.4	76.5	76.5	76.5	76.6
GE 2500	62.4	72.7	75.0	76.3	77.5	77.6	78.3	78.5	78.5	78.5	78.6	78.7	78.8	78.8	78.8	78.8	78.9
GE 2000	63.5	74.5	76.9	78.3	79.6	79.9	80.5	80.7	80.7	80.7	80.9	81.0	81.0	81.0	81.1	81.1	81.1
GE 1800	63.7	74.7	77.2	78.6	79.9	80.2	80.8	81.0	81.0	81.0	81.2	81.2	81.3	81.3	81.4	81.4	81.4
GE 1500	64.2	75.7	78.3	79.9	81.3	81.7	82.3	82.5	82.5	82.5	82.7	82.7	82.8	82.8	82.9	82.9	82.9
GE 1200	64.7	76.7	79.4	81.1	82.7	83.1	83.7	83.9	83.9	83.9	84.1	84.1	84.2	84.2	84.3	84.3	84.3
GE 1000	64.9	77.1	80.0	81.6	83.5	83.9	84.6	85.0	85.0	85.0	85.1	85.2	85.2	85.3	85.3	85.4	85.4
GE 900	64.9	77.4	80.4	82.3	84.0	84.5	85.3	85.7	85.7	85.7	85.8	85.9	86.0	86.0	86.0	86.1	86.1
GE 800	65.0	77.9	80.9	82.9	84.9	85.4	86.2	86.6	86.6	86.6	86.8	86.9	86.9	87.0	87.0	87.1	87.1
GE 700	65.2	78.3	81.5	83.7	85.8	86.3	87.3	87.8	87.8	87.8	88.0	88.1	88.2	88.2	88.3	88.3	88.3
GE 600	65.2	78.6	81.9	84.3	86.6	87.2	88.3	88.9	88.9	88.9	89.2	89.4	89.4	89.5	89.5	89.6	89.6
GE 500	65.3	78.8	82.3	84.9	87.5	88.4	89.8	90.8	90.8	90.8	91.2	91.3	91.4	91.5	91.5	91.6	91.6
GE 400	65.3	78.9	82.5	85.3	88.4	89.4	91.2	92.4	92.4	92.4	93.0	93.1	93.3	93.4	93.4	93.5	93.5
GE 300	65.3	79.1	82.8	85.8	89.2	90.3	92.3	93.6	93.6	93.6	94.0	94.1	94.4	94.4	94.5	94.5	94.5
GE 200	65.3	79.2	82.8	85.9	89.3	90.5	92.7	94.3	94.3	94.3	95.0	95.2	95.4	95.4	95.5	95.5	95.5
GE 100	65.3	79.2	82.9	85.9	89.3	90.5	92.8	94.5	94.5	94.5	95.0	95.2	95.4	95.4	95.5	95.5	95.5
GE 0	65.3	79.2	82.9	85.9	89.3	90.5	92.8	94.5	94.5	94.5	95.0	95.2	95.4	95.4	95.5	95.5	95.5

	TOTAL NUMBER OF OBSERVATIONS:	7439
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GLOBAL CLIMATOLOGY BRANCH
 WASHINGTON
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGE MA PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(IST): 0000-0200

CEILING IN FEET	1	10	6	5	4	3	2	1/2	VISIBILITY IN STATUTE MILES						3/4	5/8	1/2	5/16	1/4	0
									GE	GF	GE	GF	GE	GF						
NO CEIL	1	40.1	45.2	45.5	46.1	46.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.4	47.4	47.6	47.6
GE 20000	1	41.6	46.7	47.3	47.6	48.3	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.9	48.9	49.0	49.0
GE 18000	1	41.7	46.8	47.4	47.7	48.4	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.1	49.1
GE 16000	1	41.7	46.8	47.4	47.7	48.4	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.1	49.1
GE 14000	1	41.8	46.9	47.6	47.8	48.6	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.2	49.2
GE 12000	1	42.0	47.1	47.8	48.5	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.3	49.4	49.4
GE 10000	1	44.7	49.8	50.6	51.0	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.4	52.4
GE 9000	1	45.2	50.3	51.1	51.6	52.3	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.9	52.9	53.0	53.0
GE 8000	1	47.6	52.9	53.7	54.1	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.4	55.6	55.6
GE 7000	1	48.1	53.4	54.2	54.7	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.2	56.2
GE 6000	1	49.8	55.2	56.0	56.6	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.3	58.3
GE 5000	1	52.4	58.4	59.2	59.8	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.6	61.6
GE 4500	1	54.0	60.0	60.9	61.4	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.2	63.2
GE 4000	1	55.9	62.0	62.9	63.6	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.3	65.3
GE 3500	1	57.7	64.6	65.4	66.1	67.2	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.9	67.9
GE 3000	1	60.8	68.2	69.2	69.9	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.6	71.6	71.7	71.7
GE 2500	1	63.6	71.3	72.2	73.0	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.9	74.9
GE 2000	1	64.7	73.8	75.0	75.8	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.6	77.6	77.7	77.7
GE 1800	1	64.8	73.9	75.1	75.9	77.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.9	77.9
GE 1500	1	65.9	75.8	77.0	77.8	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.9	79.9
GE 1200	1	66.2	76.8	78.2	79.1	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.2	81.2
GE 1000	1	66.6	77.2	78.7	79.6	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.6	81.6	81.7	81.7
GE 900	1	66.6	77.3	78.8	79.7	81.3	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	82.0	82.0
GE 800	1	66.6	77.3	78.8	79.8	81.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.3	82.3	82.4	82.4
GE 700	1	67.0	78.1	79.7	81.1	83.2	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.0	84.0	84.1	84.1
GE 600	1	67.1	78.6	80.2	81.8	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	86.0	86.0	86.1	86.1
GE 500	1	67.6	79.0	81.3	83.7	87.7	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	89.4	89.4	89.6	89.6
GE 400	1	67.7	79.4	82.1	85.0	89.3	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	91.4	91.4	91.6	91.6
GE 300	1	67.7	79.6	82.2	85.2	90.3	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	93.4	93.4	94.1	94.1
GE 200	1	67.7	79.6	82.2	85.3	90.8	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	96.1	96.1	97.7	97.7
GE 100	1	67.7	79.6	82.2	85.3	90.8	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	97.1	97.1	99.1	99.1
GE 01	1	67.7	79.6	82.2	85.3	90.8	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	97.1	97.1	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
 SAFETYAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 725000 STATION NAME: OTIS ANGR MA
 MONTH: NOV HOURS(LEFT): 0300-0500

PERIOD OF RECORD: 77-86									
VISIBILITY IN STATUTE MILES									
CEILING	IN	1	2	3	4	5	6	7	8
FEET	1	10	100	200	300	400	500	600	700
NO	CEIL	1	30.6	43.8	44.2	44.9	45.5	46.0	46.4
GE	20000	41.1	45.4	45.9	46.4	47.6	47.6	47.7	48.0
GE	18000	41.1	45.4	45.9	46.4	47.6	47.6	47.7	48.0
GE	16000	41.1	45.4	45.9	46.4	47.6	47.6	47.7	48.0
GE	14000	41.1	45.4	45.9	46.4	47.6	47.6	47.7	48.0
GE	12000	41.1	45.4	45.9	46.4	47.6	47.6	47.7	48.0
GE	10000	44.6	49.6	50.2	50.8	51.9	52.2	52.6	52.8
GE	9000	45.1	50.1	50.6	51.1	52.2	52.6	53.0	53.1
GE	8000	48.1	53.2	53.7	54.2	55.3	55.7	56.2	56.2
GE	7000	48.2	53.3	53.8	54.3	55.4	55.8	56.3	56.6
GE	6000	50.3	55.4	55.9	56.4	58.1	58.4	58.8	59.0
GE	5000	52.3	57.4	58.3	58.9	60.6	60.9	61.2	61.4
GE	4000	53.7	59.2	59.7	60.2	61.9	62.2	62.6	62.8
GE	3000	55.4	61.1	61.6	62.1	63.8	64.2	64.6	64.8
GE	2000	56.9	62.9	63.3	64.0	65.7	66.0	66.3	66.6
GE	1000	60.7	67.2	67.7	68.4	70.3	70.7	71.0	71.2
GE	2500	62.7	69.3	69.9	70.6	72.7	73.0	73.3	73.6
GE	2000	64.4	72.6	73.1	74.0	76.1	76.3	76.7	76.9
GE	1800	64.4	72.7	73.2	74.1	76.1	76.4	76.8	77.0
GE	1600	64.4	73.4	74.8	75.7	77.7	78.0	78.4	78.7
GE	1400	64.4	73.9	74.6	76.2	78.4	79.0	79.3	79.7
GE	1200	65.1	74.3	75.0	77.1	79.4	80.0	80.3	80.7
GE	1000	65.1	74.4	75.0	77.2	79.8	80.3	80.8	81.1
GE	900	65.3	74.7	75.4	77.6	80.1	80.7	81.2	81.6
GE	800	65.4	74.8	75.1	78.2	81.2	81.9	82.6	83.0
GE	700	65.4	75.0	75.6	78.6	81.8	82.4	83.6	84.0
GE	600	65.4	75.2	77.6	80.6	83.5	84.7	86.1	87.2
GE	500	65.8	75.6	78.2	81.8	85.8	86.6	88.9	90.0
GE	400	65.8	75.6	78.7	82.3	87.0	88.1	90.9	92.0
GE	300	65.8	75.6	78.7	82.3	87.4	88.6	91.6	92.9
GE	200	65.8	75.6	78.7	82.3	87.4	88.6	91.6	92.9
GE	100	65.8	75.6	78.7	82.3	87.4	88.6	91.6	92.9
GE	0	65.8	75.6	78.7	82.3	87.4	88.6	91.6	92.9

TOTAL NUMBER OF OBSERVATIONS: 900

DATE: 7-1-68

PERIOD OF RECORD: 77-86

MONTH: NOV HOURS (LST): 0600-0800

CALLING VISIBILITY IN STATISTICAL MODELS

[illegible]

Category	Sub-Category	Item 1	Item 2	Item 3	Item 4	Item 5	Item 6	Item 7	Item 8	Item 9	Item 10	Item 11	Item 12	Item 13	Item 14	Item 15	Item 16	Item 17	Item 18	Item 19	Item 20	Item 21	Item 22	Item 23	Item 24	Item 25	Item 26	Item 27	Item 28	Item 29	Item 30	Item 31	Item 32	Item 33	Item 34	Item 35	Item 36	Item 37	Item 38	Item 39	Item 40	Item 41	Item 42	Item 43	Item 44	Item 45	Item 46	Item 47	Item 48	Item 49	Item 50	Item 51	Item 52	Item 53	Item 54	Item 55	Item 56	Item 57	Item 58	Item 59	Item 60	Item 61	Item 62	Item 63	Item 64	Item 65	Item 66	Item 67	Item 68	Item 69	Item 70	Item 71	Item 72	Item 73	Item 74	Item 75	Item 76	Item 77	Item 78	Item 79	Item 80	Item 81	Item 82	Item 83	Item 84	Item 85	Item 86	Item 87	Item 88	Item 89	Item 90	Item 91	Item 92	Item 93	Item 94	Item 95	Item 96	Item 97	Item 98	Item 99	Item 100
Group A	Sub-Group A	Item A1	Item A2	Item A3	Item A4	Item A5	Item A6	Item A7	Item A8	Item A9	Item A10	Item A11	Item A12	Item A13	Item A14	Item A15	Item A16	Item A17	Item A18	Item A19	Item A20	Item A21	Item A22	Item A23	Item A24	Item A25	Item A26	Item A27	Item A28	Item A29	Item A30	Item A31	Item A32	Item A33	Item A34	Item A35	Item A36	Item A37	Item A38	Item A39	Item A40	Item A41	Item A42	Item A43	Item A44	Item A45	Item A46	Item A47	Item A48	Item A49	Item A50	Item A51	Item A52	Item A53	Item A54	Item A55	Item A56	Item A57	Item A58	Item A59	Item A60	Item A61	Item A62	Item A63	Item A64	Item A65	Item A66	Item A67	Item A68	Item A69	Item A70	Item A71	Item A72	Item A73	Item A74	Item A75	Item A76	Item A77	Item A78	Item A79	Item A80	Item A81	Item A82	Item A83	Item A84	Item A85	Item A86	Item A87	Item A88	Item A89	Item A90	Item A91	Item A92	Item A93	Item A94	Item A95	Item A96	Item A97	Item A98	Item A99	Item A100
		Item A101	Item A102	Item A103	Item A104	Item A105	Item A106	Item A107	Item A108	Item A109	Item A110	Item A111	Item A112	Item A113	Item A114	Item A115	Item A116	Item A117	Item A118	Item A119	Item A120	Item A121	Item A122	Item A123	Item A124	Item A125	Item A126	Item A127	Item A128	Item A129	Item A130	Item A131	Item A132	Item A133	Item A134	Item A135	Item A136	Item A137	Item A138	Item A139	Item A140	Item A141	Item A142	Item A143	Item A144	Item A145	Item A146	Item A147	Item A148	Item A149	Item A150	Item A151	Item A152	Item A153	Item A154	Item A155	Item A156	Item A157	Item A158	Item A159	Item A160	Item A161	Item A162	Item A163	Item A164	Item A165	Item A166	Item A167	Item A168	Item A169	Item A170	Item A171	Item A172	Item A173	Item A174	Item A175	Item A176	Item A177	Item A178	Item A179	Item A180	Item A181	Item A182	Item A183	Item A184	Item A185	Item A186	Item A187	Item A188	Item A189	Item A190	Item A191	Item A192	Item A193	Item A194	Item A195	Item A196	Item A197	Item A198	Item A199	Item A200
		Item A201	Item A202	Item A203	Item A204	Item A205	Item A206	Item A207	Item A208	Item A209	Item A210	Item A211	Item A212	Item A213	Item A214	Item A215	Item A216	Item A217	Item A218	Item A219	Item A220	Item A221	Item A222	Item A223	Item A224	Item A225	Item A226	Item A227	Item A228	Item A229	Item A230	Item A231	Item A232	Item A233	Item A234	Item A235	Item A236	Item A237	Item A238	Item A239	Item A240	Item A241	Item A242	Item A243	Item A244	Item A245	Item A246	Item A247	Item A248	Item A249	Item A250	Item A251	Item A252	Item A253	Item A254	Item A255	Item A256	Item A257	Item A258	Item A259	Item A260	Item A261	Item A262	Item A263	Item A264	Item A265	Item A266	Item A267	Item A268	Item A269	Item A270	Item A271	Item A272	Item A273	Item A274	Item A275	Item A276	Item A277	Item A278	Item A279	Item A280	Item A281	Item A282	Item A283	Item A284	Item A285	Item A286	Item A287	Item A288	Item A289	Item A290	Item A291	Item A292	Item A293	Item A294	Item A295	Item A296	Item A297	Item A298	Item A299	Item A300
		Item A301	Item A302	Item A303	Item A304	Item A305	Item A306	Item A307	Item A308	Item A309	Item A310	Item A311	Item A312	Item A313	Item A314	Item A315	Item A316	Item A317	Item A318	Item A319	Item A320	Item A321	Item A322	Item A323	Item A324	Item A325	Item A																																																																										

INITIAL NUMBER OF OBSERVATIONS: 499

STATION NUMBER: 125000 STATION NAME: OTIS ANCH WA

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0900-1100

VISIBILITY IN STATUTE MILES									
CEILING									
IN	1	GE	5	GE	2	1 1/2	GE	1 1/4	GE
FEET	1	10	6	4	2	1 1/2	1	1 1/4	1
.....									
NO CEIL	1	35.4	38.8	39.1	39.4	39.6	39.6	39.7	39.7
GE 20000	1	38.9	42.7	43.1	43.4	43.7	43.8	43.8	43.8
GE 18000	1	39.0	42.8	43.1	43.6	43.6	43.9	43.9	43.9
GE 16000	1	39.0	42.8	43.1	43.6	43.8	43.9	43.9	43.9
GE 14000	1	40.4	44.6	44.9	45.3	45.6	45.7	45.7	45.7
GE 12000	1	40.8	45.0	45.3	45.8	46.0	46.1	46.1	46.1
GE 10000	1	44.0	48.9	49.2	49.7	49.9	50.0	50.0	50.0
GE 9000	1	44.4	49.3	49.7	50.1	50.3	50.4	50.4	50.4
GE 8000	1	48.0	53.0	53.6	54.0	54.2	54.3	54.3	54.3
GE 7000	1	50.1	55.1	55.7	56.1	56.4	56.6	56.6	56.6
GE 6000	1	52.0	57.1	57.7	58.2	58.6	58.7	58.7	58.7
GE 5000	1	53.8	59.0	59.6	60.1	60.4	60.6	60.6	60.6
GE 4500	1	54.9	60.1	60.7	61.2	61.6	61.7	61.7	61.7
GE 4000	1	58.2	63.4	64.1	64.8	65.1	65.2	65.2	65.2
GE 3500	1	59.8	65.0	65.7	66.3	66.7	66.8	66.8	66.8
GE 3000	1	62.6	68.4	69.1	69.8	70.1	70.3	70.3	70.3
GE 2500	1	64.4	71.2	72.0	72.9	73.2	73.4	73.4	73.4
GE 2000	1	66.4	74.1	74.9	75.8	76.1	76.3	76.3	76.3
GE 1800	1	66.6	74.4	75.2	76.1	76.4	76.7	76.7	76.7
GE 1500	1	66.9	75.3	76.2	77.4	77.9	78.1	78.1	78.1
GE 1200	1	67.7	76.6	77.7	79.0	79.4	79.8	79.8	79.8
GE 1000	1	68.0	77.2	78.3	80.0	80.7	81.0	81.0	81.0
GE 900	1	68.1	77.9	79.1	80.8	81.7	82.0	82.0	82.0
GE 800	1	68.3	78.9	80.1	82.1	83.3	84.0	84.2	84.2
GE 700	1	69.3	79.3	80.6	83.0	84.4	85.2	85.6	85.6
GE 600	1	68.4	80.2	81.6	84.1	85.9	87.0	88.0	88.0
GE 500	1	68.6	81.0	82.6	86.2	89.1	90.9	91.8	91.8
GE 400	1	68.6	81.0	82.8	86.6	89.2	91.2	93.4	93.8
GE 300	1	68.7	81.1	83.0	86.8	89.4	92.0	94.0	95.1
GE 200	1	68.7	81.1	83.0	86.8	89.4	92.0	94.7	96.4
GE 100	1	68.7	81.1	83.0	86.8	89.4	92.0	94.9	96.8
GE	0	69.7	81.1	83.0	86.8	89.4	92.0	94.9	96.8

TOTAL NUMBER OF OBSERVATIONS: 900

STATION NUMBER: 725060 STATION NAME: OTIS ANG F MA

PERIOD OF RECORD: 77-86

MONTH: NOV HOURS(LST): 1200-1400

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
1	10	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	10	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO	CEIL	1	38.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE	20000	44.1	48.3	48.3	48.4	48.4	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE	18000	44.6	48.8	48.8	48.9	48.9	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE	16000	44.6	48.8	48.8	48.9	48.9	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE	14000	45.3	49.6	49.6	49.7	49.7	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE	12000	46.0	50.4	50.4	50.6	50.6	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE	10000	48.7	53.2	53.2	53.4	53.4	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE	9000	49.0	53.6	53.6	53.8	53.8	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE	8000	51.8	56.0	56.0	57.0	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE	7000	52.3	57.1	57.1	57.6	57.6	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE	6000	53.4	58.4	58.4	59.0	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE	5000	54.6	59.9	59.9	60.4	60.4	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE	4500	55.4	60.9	60.9	61.4	61.4	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE	4000	56.4	64.0	64.0	65.0	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE	3500	61.2	67.1	67.1	68.1	68.1	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE	3000	63.9	70.1	70.1	71.2	71.2	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE	2500	66.4	73.6	73.6	75.1	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE	2000	68.3	76.1	76.1	77.7	77.7	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE	1800	68.7	76.4	76.4	78.0	78.0	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE	1500	69.7	78.7	78.7	80.4	80.4	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE	1200	70.3	80.1	80.1	82.0	82.0	82.2	82.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE	1000	70.6	80.6	80.6	82.8	82.8	83.4	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE	900	71.0	81.7	81.7	83.8	83.8	84.4	84.4	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE	800	71.3	82.2	82.2	85.1	85.1	86.0	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE	700	71.8	83.0	83.0	86.7	86.7	87.6	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE	600	71.9	83.4	83.4	87.7	87.7	88.9	88.9	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE	500	72.0	84.3	84.3	89.1	89.1	91.1	91.1	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE	400	72.0	84.3	84.3	89.2	89.2	91.4	91.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE	300	72.0	84.3	84.3	89.2	89.2	91.5	91.5	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE	200	72.0	84.3	84.3	89.2	89.2	91.5	91.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE	100	72.0	84.3	84.3	89.2	89.2	91.5	91.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE	01	72.0	84.3	84.3	89.2	89.2	91.5	91.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1

TOTAL NUMBER OF OBSERVATIONS: 900

STATION NUMBER: 725060 STATION NAME: OTIS AUGH MA PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LEFT): 1500-1700

VISIBILITY IN STATUTE MILES											
CEILING											
IN	1	2	3	4	5	6	7	8	9	10	11
FEET	1	2	3	4	5	6	7	8	9	10	11
NO	CEIL	1	2	3	4	5	6	7	8	9	10
GE	2000	46.0	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE	1800	46.2	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE	1600	46.2	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE	1400	47.1	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE	1200	49.0	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE	1000	50.1	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE	900	50.3	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE	800	53.4	59.1	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE	700	54.2	59.9	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3
GE	600	55.6	61.3	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8
GE	500	56.8	62.6	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE	400	57.8	63.6	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE	300	59.7	65.8	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE	200	62.0	68.3	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE	100	64.4	71.6	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE	2500	67.1	74.8	75.2	75.6	75.7	75.7	75.7	75.7	75.7	75.7
GE	2000	69.2	77.6	78.1	78.7	78.8	78.8	78.8	78.8	78.8	78.8
GE	1800	69.4	77.8	78.3	78.9	79.0	79.0	79.0	79.0	79.0	79.0
GE	1500	70.6	80.2	81.0	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE	1200	72.1	82.1	83.0	83.6	83.8	84.0	84.0	84.0	84.0	84.0
GE	1000	72.4	82.7	83.6	84.2	84.4	84.8	84.8	84.8	84.8	84.8
GE	900	72.6	83.2	84.2	85.1	85.4	85.9	85.9	85.9	85.9	85.9
GE	800	72.9	83.7	84.7	85.6	85.9	86.6	86.8	86.8	86.8	86.8
GE	700	72.9	83.9	85.1	86.1	86.7	87.6	87.8	88.0	88.0	88.0
GE	600	73.0	84.2	85.8	87.0	87.8	89.2	89.6	89.8	89.8	89.8
GE	500	73.4	85.0	87.1	88.9	90.1	92.4	93.2	93.3	93.7	93.7
GE	400	73.4	85.1	87.2	89.0	90.4	93.8	94.9	95.3	95.9	95.9
GE	300	73.4	85.1	87.3	89.1	91.0	94.7	96.3	97.4	98.6	98.7
GE	200	73.4	85.1	87.3	89.1	91.0	94.8	96.4	97.7	99.4	99.6
GE	100	73.4	85.1	87.3	89.1	91.0	94.8	96.4	97.7	99.4	99.9
GE	0	73.4	85.1	87.2	89.1	91.0	94.8	96.4	97.7	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

STATION NUMBER: 725000 STATION NAME: OTIS ANG. MA

PERIOD OF RECORD: 77-86
MONTH: NOV

HOURS(UT): 1800-2000

CEILING

VISIBILITY IN STATUTE MILES

IN	1	CE	GE	0	GE	5	GE	2	1/2	GE	1	1/2	1	1/4	GE	3/4	GE	1/2	5/16	GE	1/4	0
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NO CEIL	1	41.9	45.7	46.2	46.3	46.6	46.6	46.6	46.6	46.6	46.9	46.9	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
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GE 2000	1	44.2	48.0	48.6	48.7	48.9	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4
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GE 1800	1	44.3	48.3	48.9	49.0	49.2	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8
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GE 1600	1	44.3	48.3	48.9	49.0	49.2	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8
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GE 1400	1	44.7	49.0	49.6	49.7	49.9	50.1	50.2	50.2	50.2	50.3	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
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GE 1200	1	45.0	49.7	50.2	50.4	50.7	50.9	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
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GE 1000	1	47.4	52.1	52.7	52.9	53.1	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7
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GE 900	1	47.6	52.2	52.8	53.0	53.2	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8
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GE 800	1	50.2	55.3	55.9	56.1	56.3	56.6	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
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GE 700	1	50.4	55.7	56.2	56.4	56.7	56.9	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
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GE 600	1	51.8	57.1	57.7	57.9	58.1	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7
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GE 500	1	57.3	58.8	59.0	59.6	60.0	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6
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GE 400	1	57.4	60.6	61.4	61.7	61.9	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
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GE 300	1	57.4	63.9	64.3	65.0	65.2	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
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GE 200	1	59.3	66.1	67.0	67.2	67.4	67.7	67.8	67.8	67.8	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
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GE 100	1	62.6	69.7	70.7	71.2	71.4	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
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GE 2500	1	65.4	73.1	74.4	75.1	75.3	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
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GE 2000	1	68.2	77.1	78.0	79.3	79.6	79.8	79.9	79.9	79.9	79.9	79.9	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
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GE 1800	1	68.6	77.6	79.0	79.8	80.0	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
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GE 1600	1	69.0	79.0	80.7	81.6	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
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GE 1400	1	70.1	80.6	82.2	83.6	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
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GE 1200	1	70.1	80.6	82.4	83.7	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
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GE 1000	1	70.4	81.3	83.2	84.4	84.9	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
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GE 900	1	70.8	81.8	83.8	85.1	85.7	86.1	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
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GE 800	1	71.0	82.2	84.3	85.9	86.4	86.9	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
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GE 700	1	71.1	82.9	85.1	86.8	87.7	88.4	88.6	88.6	88.6	88.7	88.7	88.7	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
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GE 600	1	71.3	83.6	86.3	88.7	90.1	91.2	91.6	91.6	91.6	92.0	92.0	92.0	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
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GE 500	1	71.3	83.7	86.6	89.3	91.3	92.6	93.1	93.1	93.1	94.1	94.1	94.1	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
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GE 400	1	71.3	83.9	86.8	89.6	92.2	93.4	94.6	94.6	94.6	95.9	96.0	96.0	96.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
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GE 300	1	71.3	83.9	86.8	89.9	92.8	94.0	95.2	95.2	95.2	96.8	96.9	96.9	97.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
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GE 200	1	71.3	83.9	86.8	89.9	92.8	94.0	95.2	95.2	95.2	96.9	97.0	97.0	98.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
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GE 100	1	71.3	83.9	86.8	89.9	92.8	94.0	95.2	95.2	95.2	96.9	97.0	97.0	98.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
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TOTAL NUMBER OF OBSERVATIONS: 900

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGFB MA

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 2100-2300

CEILING		VISIBILITY IN STATUTE MILES										VISIBILITY IN STATUTE MILES									
IN	FEET	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
NO	CEIL	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
01	20000	42.8	47.3	47.7	47.9	48.0	48.0	48.0	48.0	48.0	48.0	47.1	47.1	47.1	47.3	47.4	47.4	47.4	47.6	47.6	47.6
02	18000	43.0	47.1	47.6	47.9	48.1	48.2	48.2	48.2	48.2	48.2	48.6	48.6	48.6	48.6	48.9	48.9	48.9	49.0	49.0	49.0
03	16000	43.0	47.1	47.6	47.9	48.1	48.2	48.2	48.2	48.2	48.2	48.6	48.6	48.6	48.6	49.0	49.1	49.1	49.2	49.2	49.2
04	14000	43.4	47.7	48.1	48.4	48.7	48.8	48.8	48.8	48.8	48.8	49.3	49.3	49.3	49.3	49.7	49.7	49.7	49.8	49.8	49.8
05	12000	43.8	48.0	48.4	48.6	48.9	49.1	49.1	49.1	49.1	49.1	49.7	49.7	49.7	49.7	50.0	50.0	50.0	50.1	50.1	50.1
06	10000	47.2	51.8	52.4	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.7	53.7	53.7	53.7	54.0	54.0	54.0	54.1	54.1	54.1
07	9000	47.2	51.8	52.4	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.7	53.7	53.7	53.7	54.0	54.0	54.0	54.1	54.1	54.1
08	8000	49.4	54.3	55.0	55.3	55.6	55.7	55.7	55.7	55.7	55.7	56.2	56.2	56.2	56.2	56.6	56.6	56.6	56.7	56.7	56.7
09	7000	50.1	55.0	55.7	56.0	56.2	56.3	56.3	56.3	56.3	56.3	56.9	56.9	56.9	56.9	57.1	57.2	57.2	57.3	57.3	57.3
10	6000	50.4	55.7	56.3	56.7	56.9	57.0	57.0	57.0	57.0	57.0	57.6	57.6	57.6	57.6	57.9	57.9	57.9	58.0	58.0	58.0
11	5000	52.1	57.6	58.0	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.8	59.8	59.8	59.8	60.1	60.1	60.1	60.2	60.2	60.2
12	4000	53.4	59.3	60.1	60.4	60.7	60.8	60.8	60.8	60.8	60.8	61.3	61.3	61.3	61.3	61.7	61.7	61.7	61.8	61.8	61.8
13	3000	55.4	61.7	62.4	62.8	63.0	63.1	63.1	63.1	63.1	63.1	63.7	63.7	63.7	63.7	64.0	64.0	64.0	64.1	64.1	64.1
14	2000	57.7	64.0	64.6	65.1	65.3	65.4	65.4	65.4	65.4	65.4	66.0	66.0	66.0	66.0	66.3	66.3	66.3	66.4	66.4	66.4
15	1000	61.6	68.4	69.2	69.6	70.3	70.4	70.4	70.4	70.4	70.4	71.0	71.0	71.0	71.0	71.3	71.3	71.3	71.4	71.4	71.4
16	2500	64.7	72.2	73.1	73.4	74.2	74.4	74.4	74.4	74.4	74.4	75.0	75.0	75.0	75.2	75.3	75.3	75.3	75.4	75.4	75.4
17	2000	67.3	76.1	77.1	77.4	78.2	78.4	78.4	78.4	78.4	78.4	79.0	79.0	79.0	79.2	79.3	79.3	79.3	79.4	79.4	79.4
18	1800	67.6	76.6	77.6	77.9	78.7	78.9	78.9	78.9	78.9	78.9	79.4	79.4	79.4	79.7	79.8	79.8	79.8	79.9	79.9	79.9
19	1500	68.3	78.1	79.3	79.6	80.8	81.0	81.0	81.0	81.0	81.0	81.6	81.6	81.6	81.8	81.9	81.9	81.9	82.0	82.0	82.0
20	1200	68.7	79.0	80.7	81.3	82.3	82.6	82.6	82.6	82.6	82.6	83.1	83.1	83.1	83.3	83.4	83.4	83.4	83.6	83.6	83.6
21	1000	68.8	79.2	80.9	81.7	82.7	82.9	82.9	82.9	82.9	82.9	83.7	83.7	83.7	83.9	84.0	84.0	84.0	84.1	84.1	84.1
22	900	68.8	79.2	80.9	81.7	82.7	82.9	82.9	82.9	82.9	82.9	83.7	83.7	83.7	83.9	84.0	84.0	84.0	84.1	84.1	84.1
23	800	68.9	79.4	81.1	82.1	83.1	83.4	83.4	83.4	83.4	83.4	84.6	84.6	84.6	84.8	85.0	85.1	85.1	85.2	85.2	85.2
24	700	69.2	80.1	82.0	83.1	84.1	84.4	84.4	84.4	84.4	84.4	86.2	86.2	86.2	86.6	86.7	86.7	86.7	86.8	86.8	86.8
25	600	69.2	80.2	82.2	83.7	85.0	85.6	85.6	85.6	85.6	85.6	87.0	87.0	87.0	87.3	87.4	87.4	87.4	87.6	87.6	87.6
26	500	69.3	80.4	83.0	85.0	87.0	88.0	88.0	88.0	88.0	88.0	89.6	89.6	89.6	90.1	90.2	90.2	90.2	90.6	90.6	90.6
27	400	69.3	80.4	83.0	85.0	87.0	88.0	88.0	88.0	88.0	88.0	89.6	89.6	89.6	90.1	90.2	90.2	90.2	90.6	90.6	90.6
28	300	69.3	80.4	83.0	85.0	87.0	88.0	88.0	88.0	88.0	88.0	89.6	89.6	89.6	90.1	90.2	90.2	90.2	90.6	90.6	90.6
29	200	69.3	80.4	83.0	85.0	87.0	88.0	88.0	88.0	88.0	88.0	89.6	89.6	89.6	90.1	90.2	90.2	90.2	90.6	90.6	90.6
30	100	69.3	80.4	83.0	85.0	87.0	88.0	88.0	88.0	88.0	88.0	89.6	89.6	89.6	90.1	90.2	90.2	90.2	90.6	90.6	90.6
31	0	69.3	80.4	83.0	85.0	87.0	88.0	88.0	88.0	88.0	88.0	89.6	89.6	89.6	90.1	90.2	90.2	90.2	90.6	90.6	90.6

TOTAL NUMBER OF OBSERVATIONS: 700

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS AUSB MA PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(IST): ALL

VISIBILITY IN STATUTE MILES																				
CEILING IN FEET	1	GE 10	6	GE 5	4	GE 3	2	1 1/2	GE 1 1/2	1	GE 1 1/4	44.3	44.3	44.4	5/8	GE 1/2	5/16	GE 1/4	GE	
NO CELL	1	39.3	43.0	43.4	43.6	43.5	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.4	44.4	44.5	44.5	44.5	44.5	
GE 20000	42.1	46.5	46.5	46.8	47.2	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.6	47.7	47.7	47.7	47.7	47.7	47.7	
GE 18000	42.3	46.5	46.7	47.0	47.4	47.4	47.5	47.7	47.7	47.7	47.7	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	
GE 16000	42.3	46.3	46.3	46.7	47.0	47.4	47.5	47.7	47.7	47.7	47.7	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	
GE 14000	42.9	47.1	47.5	47.7	48.1	48.3	48.3	48.5	48.5	48.5	48.5	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7	
GE 12000	43.4	47.7	48.1	48.4	48.8	48.8	48.9	49.1	49.1	49.1	49.1	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	
GE 10000	46.2	50.9	51.4	51.7	52.1	52.3	52.3	52.5	52.5	52.5	52.5	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	
GE 9000	46.5	51.2	51.7	52.0	52.4	52.6	52.6	52.8	52.8	52.8	52.8	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	
GE 8000	49.3	54.3	54.5	55.2	55.7	55.9	55.9	56.0	56.0	56.0	56.0	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	
GE 7000	50.1	55.1	55.7	56.0	56.6	56.8	56.8	56.9	56.9	56.9	56.9	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	
GE 6000	51.5	56.8	57.4	57.7	58.3	58.5	58.5	58.7	58.7	58.7	58.7	58.8	58.8	58.9	58.9	59.0	59.0	59.0	59.0	
GE 5000	53.3	58.9	59.5	59.9	60.5	60.7	60.7	60.9	60.9	60.9	60.9	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	
GE 4500	54.5	60.2	60.9	61.2	61.9	62.1	62.1	62.2	62.2	62.2	62.2	62.3	62.3	62.4	62.4	62.5	62.5	62.5	62.5	
GE 4000	56.9	62.8	63.5	64.0	64.6	64.8	64.8	65.0	65.0	65.0	65.0	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	
GE 3500	58.8	65.5	65.7	66.2	66.8	67.0	67.0	67.2	67.2	67.2	67.2	67.3	67.3	67.5	67.5	67.5	67.6	67.6	67.6	
GE 3000	61.9	68.6	69.5	69.9	70.7	70.9	70.9	71.1	71.1	71.1	71.1	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	
GE 2500	64.4	71.7	72.6	73.2	74.0	74.2	74.2	74.4	74.4	74.4	74.4	74.5	74.5	74.7	74.7	74.8	74.8	74.8	74.8	
GE 2000	66.4	74.6	75.9	76.5	77.3	77.5	77.5	77.7	77.7	77.7	77.7	77.8	77.8	78.0	78.0	78.1	78.1	78.1	78.1	
GE 1800	66.6	75.1	76.1	76.8	77.6	77.8	77.8	78.0	78.0	78.0	78.0	78.1	78.1	78.3	78.3	78.4	78.4	78.4	78.4	
GE 1500	67.3	76.6	77.8	78.0	79.4	79.7	79.7	79.9	79.9	79.9	79.9	80.0	80.0	80.2	80.2	80.3	80.3	80.3	80.3	
GE 1200	68.0	77.7	79.2	80.1	81.0	81.3	81.3	81.6	81.6	81.6	81.6	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	
GE 1000	68.2	78.1	79.6	80.6	81.6	81.9	81.9	82.3	82.3	82.3	82.3	82.4	82.4	82.6	82.6	82.6	82.7	82.7	82.7	
GE 900	68.3	78.6	80.1	81.2	82.3	82.7	82.7	83.1	83.1	83.1	83.1	83.2	83.2	83.4	83.4	83.5	83.5	83.5	83.5	
GE 800	68.5	78.9	80.6	81.7	83.2	83.6	83.6	84.1	84.1	84.1	84.1	84.3	84.3	84.5	84.5	84.6	84.6	84.6	84.6	
GE 700	68.7	79.4	81.2	82.7	84.3	84.8	84.8	85.4	85.4	85.4	85.4	85.7	85.7	85.9	85.9	86.0	86.0	86.1	86.1	
GE 600	68.8	79.6	81.8	83.4	85.4	85.9	85.9	86.9	86.9	86.9	86.9	87.2	87.2	87.5	87.5	87.6	87.6	87.6	87.6	
GE 500	69.0	80.3	82.9	85.1	87.6	88.4	88.4	89.5	89.5	89.5	89.5	90.1	90.1	90.8	90.8	91.0	91.0	91.0	91.0	
GE 400	69.1	80.5	83.2	85.7	88.6	89.5	89.5	91.2	91.2	91.2	91.2	92.0	92.0	93.1	93.1	93.4	93.4	93.4	93.4	
GE 300	69.1	80.6	83.4	85.9	89.3	90.3	90.3	92.3	92.3	92.3	92.3	93.5	93.5	95.1	95.2	95.7	95.8	96.0	96.0	
GE 200	69.1	80.6	83.4	86.0	89.5	89.5	90.5	92.7	92.7	92.7	92.7	94.4	94.4	96.3	96.3	97.2	97.5	98.1	98.1	
GE 100	69.1	80.6	83.4	86.0	89.5	89.5	90.5	92.7	92.7	92.7	92.7	94.5	94.5	96.6	96.7	97.8	98.1	99.1	99.1	
GE	69.1	80.6	83.4	86.0	89.5	89.5	90.5	92.7	92.7	92.7	92.7	94.5	94.5	96.6	96.7	97.9	98.2	99.4	100.0	

TOTAL NUMBER OF OBSERVATIONS: 7199

GLOBAL CLIMATOLOGY BRANCH
NOAA/ETAC
AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH
OSAF/AC
AIR-FAIRER SERVICE/MAC

STATION NUMBER: 72500 STATION NAME: OTIS ANG E MA
PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): 0000-0200

CEILING IN FEET		VISIBILITY IN STATUTE MILES													
		GE 0	GE 1	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CELL	1	44.0	47.5	48.1	48.3	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.8	48.8	48.8
GE	20000	45.7	49.2	49.5	50.3	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.8	50.8	50.8
GE	18000	45.7	49.3	49.6	50.4	50.6	50.6	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9
GE	16000	45.7	49.3	49.6	50.4	50.6	50.6	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9
GE	14000	45.9	49.5	49.8	50.6	50.8	50.8	51.0	51.0	51.0	51.0	51.0	51.1	51.1	51.1
GE	12000	47.0	50.6	51.4	51.7	51.9	51.9	52.1	52.1	52.1	52.1	52.1	52.2	52.2	52.2
GE	10000	48.4	52.4	53.2	53.5	53.7	53.7	54.0	54.0	54.0	54.0	54.0	54.1	54.1	54.1
GE	9000	49.4	52.4	53.2	53.5	53.7	53.7	54.0	54.0	54.0	54.0	54.0	54.1	54.1	54.1
GE	8000	50.6	54.8	55.6	56.1	56.3	56.3	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7
GE	7000	51.1	55.3	56.4	56.8	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.3
GE	6000	53.6	58.1	59.2	59.5	59.7	59.7	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.0
GE	5000	55.1	59.7	61.1	61.4	61.6	61.6	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0
GE	4000	56.1	60.7	62.1	62.5	63.1	63.1	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.4
GE	3000	58.2	63.6	65.2	65.6	66.2	66.2	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5
GE	2000	58.9	64.6	66.2	67.0	67.2	67.2	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.5
GE	1000	60.9	66.8	68.3	71.2	71.6	71.6	72.0	72.0	72.0	72.0	72.2	72.2	72.2	72.2
GE	0	63.1	70.3	71.8	73.2	73.5	73.5	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8
GE	0	65.5	73.5	75.2	77.1	77.6	77.6	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.5
GE	0	65.9	73.7	75.6	77.5	77.9	77.9	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9
GE	0	65.9	74.3	76.7	78.2	79.4	79.4	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4
GE	0	65.9	74.6	77.5	79.2	80.6	81.1	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6
GE	0	66.0	75.5	78.2	80.4	81.5	82.4	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1
GE	0	66.0	75.7	78.5	80.6	82.1	82.7	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5
GE	0	66.0	75.9	78.9	81.0	83.0	83.6	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0
GE	0	66.1	76.3	78.3	80.4	82.3	82.8	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE	0	66.1	76.5	78.5	80.6	82.6	83.2	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE															

FINAL LIMITED OF OBSERVATIONS:

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-11-2010 BY 60322 UCBAW

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0300-0500

MONTH: DEC HOURS(LST): 0300-0500

33714 2101415 NI AL 777415, 77

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1900	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1901	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1902	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1903	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1904	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

100

VIABILITY IN STATUTE MILES

PERIOD OF RECORD: 77-86
MONTH: DEC

STATE: NEW YORK

STAT: 1000

110

VIABILITY IN STATUTE MILES											
DATE	TIME	TYPE	WIND	WAVE	SEA	WIND	WAVE	SEA	WIND	WAVE	SEA
1	2	3	4	5	6	7	8	9	10	11	12
12/1	12/1	12/1	12/1	12/1	12/1	12/1	12/1	12/1	12/1	12/1	12/1
12/2	12/2	12/2	12/2	12/2	12/2	12/2	12/2	12/2	12/2	12/2	12/2
12/3	12/3	12/3	12/3	12/3	12/3	12/3	12/3	12/3	12/3	12/3	12/3
12/4	12/4	12/4	12/4	12/4	12/4	12/4	12/4	12/4	12/4	12/4	12/4
12/5	12/5	12/5	12/5	12/5	12/5	12/5	12/5	12/5	12/5	12/5	12/5
12/6	12/6	12/6	12/6	12/6	12/6	12/6	12/6	12/6	12/6	12/6	12/6
12/7	12/7	12/7	12/7	12/7	12/7	12/7	12/7	12/7	12/7	12/7	12/7
12/8	12/8	12/8	12/8	12/8	12/8	12/8	12/8	12/8	12/8	12/8	12/8
12/9	12/9	12/9	12/9	12/9	12/9	12/9	12/9	12/9	12/9	12/9	12/9
12/10	12/10	12/10	12/10	12/10	12/10	12/10	12/10	12/10	12/10	12/10	12/10
12/11	12/11	12/11	12/11	12/11	12/11	12/11	12/11	12/11	12/11	12/11	12/11
12/12	12/12	12/12	12/12	12/12	12/12	12/12	12/12	12/12	12/12	12/12	12/12
12/13	12/13	12/13	12/13	12/13	12/13	12/13	12/13	12/13	12/13	12/13	12/13
12/14	12/14	12/14	12/14	12/14	12/14	12/14	12/14	12/14	12/14	12/14	12/14
12/15	12/15	12/15	12/15	12/15	12/15	12/15	12/15	12/15	12/15	12/15	12/15
12/16	12/16	12/16	12/16	12/16	12/16	12/16	12/16	12/16	12/16	12/16	12/16
12/17	12/17	12/17	12/17	12/17	12/17	12/17	12/17	12/17	12/17	12/17	12/17
12/18	12/18	12/18	12/18	12/18	12/18	12/18	12/18	12/18	12/18	12/18	12/18
12/19	12/19	12/19	12/19	12/19	12/19	12/19	12/19	12/19	12/19	12/19	12/19
12/20	12/20	12/20	12/20	12/20	12/20	12/20	12/20	12/20	12/20	12/20	12/20
12/21	12/21	12/21	12/21	12/21	12/21	12/21	12/21	12/21	12/21	12/21	12/21
12/22	12/22	12/22	12/22	12/22	12/22	12/22	12/22	12/22	12/22	12/22	12/22
12/23	12/23	12/23	12/23	12/23	12/23	12/23	12/23	12/23	12/23	12/23	12/23
12/24	12/24	12/24	12/24	12/24	12/24	12/24	12/24	12/24	12/24	12/24	12/24
12/25	12/25	12/25	12/25	12/25	12/25	12/25	12/25	12/25	12/25	12/25	12/25
12/26	12/26	12/26	12/26	12/26	12/26	12/26	12/26	12/26	12/26	12/26	12/26
12/27	12/27	12/27	12/27	12/27	12/27	12/27	12/27	12/27	12/27	12/27	12/27
12/28	12/28	12/28	12/28	12/28	12/28	12/28	12/28	12/28	12/28	12/28	12/28
12/29	12/29	12/29	12/29	12/29	12/29	12/29	12/29	12/29	12/29	12/29	12/29
12/30	12/30	12/30	12/30	12/30	12/30	12/30	12/30	12/30	12/30	12/30	12/30
12/31	12/31	12/31	12/31	12/31	12/31	12/31	12/31	12/31	12/31	12/31	12/31

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Y. A. CORRECTION OF CEILING VERSUS VISIBILITY FROM ACQUA OBSERVATIONS

PERIOD OF RECORD: 77-86

STATION NAME: OTIS ANGEL MA

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THE JOURNAL OF THE

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGR MA PERIOD OF RECORD: 77-86
MONTH: JAN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	32.0			12.7						11.5	37.2	5.3	905
03-05	30.8			20.1						8.4	40.7	5.4	905
06-08	15.2			25.1						18.1	41.6	6.5	906
09-11	12.4			24.9						21.2	41.4	6.8	910
12-14	11.1			27.7						20.0	41.3	6.8	911
15-17	9.2			30.7						20.4	39.8	6.7	913
18-20	22.0			27.4						11.3	39.3	5.8	912
21-23	29.4			22.0						11.2	37.4	5.4	911
TOTALS	20.3			24.6						15.3	39.8	6.1	7273

STATION NUMBER: 725060 STATION NAME: OTIS ANGR MA

PERIOD OF RECORD: 77-86
MONTH: FEB

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	37.4			13.4						10.5	38.6	5.2	828
03-05	36.0			13.6						9.0	41.4	5.4	822
06-08	18.3			24.0						17.0	40.7	6.3	825
09-11	13.4			28.1						19.5	39.1	6.5	827
12-14	12.7			26.2						20.4	40.7	6.7	828
15-17	15.7			24.1						19.0	41.2	6.6	827
18-20	24.1			20.7						16.3	38.9	6.0	830
21-23	33.1			17.4						12.0	37.5	5.4	826
TOTALS	23.6			20.9						15.5	39.8	6.0	6613

GENERAL CLIMATELOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725000 STATION NAME: OTIS ANGFB MA

PERIOD OF RECORD: 77-86
MONTH: MAR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	30.1									9.5	42.6	5.7	901
03-05	29.1			16.9						10.0	43.4	5.8	894
06-08	15.3			24.0						17.4	42.7	6.6	909
09-11	13.8			26.5						18.8	40.9	6.6	911
12-14	13.1			27.6						20.5	38.9	6.6	918
15-17	13.2			27.2						19.8	39.8	6.6	915
18-20	18.7			24.6						16.5	40.1	6.2	916
21-23	29.5			18.5						9.4	42.6	5.7	918
TOTALS	20.4			23.0						15.3	41.4	6.2	7282

STATION NUMBER: 725000 STATION NAME: OTIS ANGFB MA

PERIOD OF RECORD: 77-86
MONTH: APR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	29.5									12.3	41.7	5.8	889
03-05	25.0			25.3						13.5	41.3	5.9	892
06-08	18.4			21.1						21.1	39.4	6.5	876
09-11	12.4			26.5						23.2	37.9	6.7	869
12-14	13.6			24.3						21.0	41.1	6.7	889
15-17	12.5			25.7						19.2	42.6	6.8	890
18-20	15.9			23.6						17.6	42.7	6.6	894
21-23	27.5			17.9						14.1	40.5	5.9	892
TOTALS	19.4			22.0						17.8	40.9	6.4	7111

GLOBAL CLIMATEOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS AVE MA

PERIOD OF RECORD: 77-86

HOURS (LST)	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	23.2		17.4						13.2	46.2	6.3	914
03-05	15.9		20.9						15.2	48.0	6.6	917
06-08	12.1		21.7						22.1	44.2	7.1	919
09-11	10.3		22.7						25.0	38.0	6.9	923
12-14	9.0		26.9						29.1	35.1	6.9	912
15-17	9.2		29.0						27.3	34.5	6.6	918
18-20	6.5		29.4						21.9	39.9	6.8	919
21-23	16.7		25.1						14.5	43.7	6.4	911
TOTALS	13.2		24.6						21.0	41.2	6.6	7333

STATION NUMBER: 725060 STATION NAME: OTIS AVEP MA

PERIOD OF RECORD: 77-86

HOURS (LST)	5	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
10-12	25.5			22.7						10.5	41.3	5.6	865
13-15	17.7			25.0						13.9	43.5	6.3	872
16-18	16.0			27.0						17.0	39.1	6.3	869
19-21	13.7			25.4						21.3	35.6	6.4	868
22-24	8.2			42.5						24.1	34.9	6.6	869
10-17	6.4			33.1						27.3	31.3	6.6	873
18-25	7.3			34.5						23.4	34.2	6.6	892
21-23	17.0			21.1						14.8	37.5	6.0	860
TOTALS	14.4			29.5						19.1	37.2	6.3	6968

GLOBAL CLIMATE LOG BRANCH
USAF/AFAC
AFIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANDR MA

PERIOD OF RECORD: 77-86
MONTH: JUL

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	26.4									14.5	39.9	5.9	860
03-05	16.5			25.1						15.7	42.8	6.4	881
06-08	11.3			26.6						25.6	36.4	6.7	888
09-11	9.6			32.1						27.3	30.8	6.5	862
12-14	5.1			37.7						29.0	28.3	6.6	884
15-17	6.3			39.6						30.2	23.9	6.3	888
18-20	6.9			34.7						29.3	29.2	6.6	888
21-23	17.5			26.2						17.9	16.4	6.1	851
TOTALS	12.5			30.4						23.7	33.5	6.4	7022

STATION NUMBER: 725060 STATION NAME: OTIS ANDR MA

PERIOD OF RECORD: 77-86
MONTH: AUG

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	18.9									16.1	19.4	6.2	869
03-05	15.4			22.3						15.6	46.7	6.7	874
06-08	9.9			24.2						24.5	41.5	7.1	902
09-11	7.4			30.7	.1					26.0	35.9	6.9	897
12-14	3.2			35.3						27.7	33.7	6.9	895
15-17	3.6			31.7						30.4	33.3	7.0	866
18-20	4.5			31.6						27.6	36.3	7.1	891
21-23	15.1			29.4						21.3	34.2	6.2	876
TOTALS	9.8			29.0	.6					23.7	37.6	6.8	7092

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725000 STATION NAME: OTIS ANGFB MA

PERIOD OF RECORD: 77-86
MONTH: SEP

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	30.5			21.2						11.2	37.0	5.3	848
02-05	24.4			24.6						15.6	34.9	5.7	859
06-08	10.3			33.6						25.3	30.8	6.4	863
09-11	10.9			34.7						23.7	30.6	6.2	881
12-14	6.6			38.4						25.4	29.5	6.4	874
15-17	10.0			32.6						29.2	28.3	6.4	874
18-20	13.4			33.2						23.1	30.3	6.1	874
21-23	25.2			28.0						16.0	30.8	5.4	857
TOTALS	16.4			30.6						21.2	31.5	6.0	6930

STATION NUMBER: 725000 STATION NAME: OTIS ANGFB MA

PERIOD OF RECORD: 77-86
MONTH: OCT

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	25.4			26.7						16.7	37.3	5.9	891
03-05	22.3			22.6						18.7	36.5	6.0	894
06-08	11.6			28.0						25.1	35.2	6.6	911
09-11	10.3			31.5						25.7	32.1	6.5	919
12-14	7.6			34.0						29.0	29.4	6.6	916
15-17	9.8			33.4						23.5	33.2	6.4	918
18-20	16.6			31.0						17.3	35.1	6.0	911
21-23	25.0			23.6						16.6	35.3	5.7	895
TOTALS	16.1			29.1						21.6	34.3	6.0	7255

STATION NUMBER: 725000 STATION NAME: OTIS ARGE MA

PERIOD OF RECORD: 77-80
MONTH: NOV

PERCENTAGE FREQUENCY OF TOTAL SKY COVER

HOURS (LST)	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
01-02	26.0								11.5	43.8	6.6	881
03-05	24.0								11.7	44.2	6.1	883
06-08	10.2								20.5	42.8	6.9	885
09-11	8.5								23.1	42.1	7.1	883
12-14	8.2								25.4	37.8	6.9	886
15-17	8.3								25.1	37.2	6.9	888
18-20	17.2								16.0	40.0	6.3	890
21-23	22.9								13.4	41.8	6.1	881
TOTALS	15.7								14.3	41.3	6.5	7077

STATION NUMBER: 725000 STATION NAME: OTIS ARGE MA

PERIOD OF RECORD: 77-80
MONTH: DEC

HOURS (LST)	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
01-02	26.3								11.2	43.2	5.9	909
03-05	26.7								4.7	43.9	5.8	906
06-08	14.3								15.8	42.4	6.7	912
09-11	10.0								22.0	39.9	6.8	914
12-14	6.5								21.2	42.2	7.0	921
15-17	6.5								21.1	41.5	6.9	920
18-20	18.4								14.8	42.9	6.3	914
21-23	23.6								10.4	44.3	6.0	900
TOTALS	17.3								15.2	42.5	6.4	7246

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PERCENTAGE TABULATED AND PRESENTED BY 10 PERCENT FREQUENCY INCREMENTS PLUS THE MEAN, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 10 PERCENT FREQUENCY INCREMENT.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING ASTERISKS).

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES.

EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

MEANS AND STANDARD DEVIATIONS FOR DAY HOUR (NET SOLAR AND 16 POINT) TEMPERATURES

DATA DERIVED FROM HOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD DEVIATION OF TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNT.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PERCENTAGE VALUES PRESENTED IN 10 PERCENT INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNT.

COASTAL CLIMATOLOGY BRANCH
NAFACETAC
AIR WEATHER SERVICE/NAAC

MONTHLY CLIMATE SUMMARY
FROM SUMMARY OF DAY DATA

STATION NUMBER: 750000

STATION NAME: CAYMAN MA

PERIOD OF RECORD: 41-44, 47-86

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
OF 751													
OF 752													
OF 753													
OF 754													
OF 755													
OF 756													
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OF 758													
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OF 795													
OF 796													
OF 797													
OF 798													
OF 799													
OF 800													

MEAN	10.100	9.500	7.500	6.500	5.500	5.000	4.500	4.000	3.500	3.000	2.500	2.000	1.500
SD	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
TOTAL	10.100	9.500	7.500	6.500	5.500	5.000	4.500	4.000	3.500	3.000	2.500	2.000	1.500

LOCAL CLIMATE DATA
CAFETAC

1941

[illegible]

NATIONAL COMMUNICATIONS COMMISSION
 WASHINGTON, D. C.
 AIR-MAIL SERVICE/AMC

DATE OF VALUE OF SERVICE T-1 (SEE INSTRUCTIONS)
 (DATE OF VALUE OF SERVICE T-1)

STATION NUMBER, 705000 STATION NAME: 110 0000 00

PERIOD OF RECORD: 42-44, 46-48

ALL VALUES ARE IN PERCENTS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	FULL MONTHS
42	48	50	51	52	77	90	84	88	50	71	64	53	92
43	49	51	52	53	78	91	85	89	51	72	65	54	93
44	50	52	53	54	79	92	86	90	52	73	66	55	94
45	51	53	54	55	80	93	87	91	53	74	67	56	95
46	52	54	55	56	81	94	88	92	54	75	68	57	96
47	53	55	56	57	82	95	89	93	55	76	69	58	97
48	54	56	57	58	83	96	90	94	56	77	70	59	98
49	55	57	58	59	84	97	91	95	57	78	71	60	99
50	56	58	59	60	85	98	92	96	58	79	72	61	100
51	57	59	60	61	86	99	93	97	59	80	73	62	101
52	58	60	61	62	87	100	94	98	60	81	74	63	102
53	59	61	62	63	88	101	95	99	61	82	75	64	103
54	60	62	63	64	89	102	96	100	62	83	76	65	104
55	61	63	64	65	90	103	97	101	63	84	77	66	105
56	62	64	65	66	91	104	98	102	64	85	78	67	106
57	63	65	66	67	92	105	99	103	65	86	79	68	107
58	64	66	67	68	93	106	100	104	66	87	80	69	108
59	65	67	68	69	94	107	101	105	67	88	81	70	109
60	66	68	69	70	95	108	102	106	68	89	82	71	110
61	67	69	70	71	96	109	103	107	69	90	83	72	111
62	68	70	71	72	97	110	104	108	70	91	84	73	112
63	69	71	72	73	98	111	105	109	71	92	85	74	113
64	70	72	73	74	99	112	106	110	72	93	86	75	114
65	71	73	74	75	100	113	107	111	73	94	87	76	115
66	72	74	75	76	101	114	108	112	74	95	88	77	116
67	73	75	76	77	102	115	109	113	75	96	89	78	117
68	74	76	77	78	103	116	110	114	76	97	90	79	118
69	75	77	78	79	104	117	111	115	77	98	91	80	119
70	76	78	79	80	105	118	112	116	78	99	92	81	120
71	77	79	80	81	106	119	113	117	79	100	93	82	121
72	78	80	81	82	107	120	114	118	80	101	94	83	122
73	79	81	82	83	108	121	115	119	81	102	95	84	123
74	80	82	83	84	109	122	116	120	82	103	96	85	124

NOTES * (BASED ON LESS THAN FULL MONTHS)
 # (AT LEAST ONE DAY LESS THAN 24 HRS)

CONTINUED ON NEXT PAGE....

STATION NUMBER: 70500 STATION NAME: STIS RCP 4A

PERIOD OF RECORD: 42-44, 46-46

WOLLE DEFFES FAHRENHEIT

-W-D-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
72	59	51	54	62	57	63	61	98	76	73	72	63	98
76	57	62	56	67	78	64	66	88	84	72	61	55	88
77	48	51	71	77	67	78	64	87	83	71	*69	*54	89
78	54	47	57	68	78	67	66	*84	*74	73	65	62	87
79	67	51	50	77	64	75	91	87	61	61	72	67	91
80	56	52	57	60	80	60	91	91	87	74	64	54	91
81	43	57	61	66	80	62	86	92	80	65	60	55	86
82	53	53	57	66	61	77	67	80	61	74	70	65	87
83	57	52	52	61	75	95	92	90	91	78	66	61	95
84	51	58	52	77	74	51	85	86	80	74	67	61	91
85	57	53	54	72	61	66	90	89	91	60	67	61	91
86	55	40	65	67	87	81	86	81	77	78	64	59	86
42A	54.2	52.7	57.1	71.7	75.7	65.9	68.6	66.6	82.8	75.5	66.1	58.6	90.1
4.1	4.447	4.302	6.425	4.177	4.111	4.563	7.177	4.372	4.310	3.948	3.944	3.573	3.825
TOTAL 039	1240	1130	1740	1195	1209	1170	1208	1701	1155	1247	1184	1270	14446

NOTES * (BASED ON LESS THAN FULL MONTHS)

* (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
 USFETAC
 AIR PATTERN SERVICE/MAC

(EXTREME VALUES OF MINIMUM TEMPERATURE
 FROM DAILY OBSERVATIONS)

STATION NUMBER: 725000 STATION NAME: OTIS ALICE MA

PERIOD OF RECORD: 42-44, 48-86

WOLF DEGREES FAHRENHEIT
 -M-O-A-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MONTHS	ALL
42														
43	5	-6	7	20	34	51	53	53	47	33	25	-10	8	
44	7	7	11	42										
48														
49	10	6	12	32	39	46	53	52	42	36	31	7	6	
50	11	1	3	42	35	49	53	52	39	32	16	13	-1	
51	9	1	10	31	38	47	54	52	37	29	26	-1	9	
52	6	14	16	28	37	48	53	51	43	29	15	9	6	
53	15	1	11	37	40	47	51	52	41	35	24	10	10	
54	1	1	11	16	38	46	50	51	45	36	31	12	10	
55	11	-1	19	29	40	43	50	52	43	36	27	15	0	
56	6	11	17	30	31	43	54	52	39	33	21	-2	-2	
57	-7	10	20	29	37	45	55	51	36	35	20	9	6	
58	6	-2	26	31	37	41	57	56	43	35	17	17	-7	
59	5	1	18	27	40	47	50	53	43	35	18	5	-2	
60	10	21	10	28	47	52	56	55	44	32	22	9	1	
61	2	-9	12	31	34	47	50	52	44	34	26	8	8	
62	8	7	8	27	30	47	52	52	44	34	27	9	-9	
63	6	1	19	27	32	49	53	48	38	26	27	-4	-4	
64	2	11	23	24	34	45	55	50	40	32	20	3	2	
65	-1	7	19	21	26	45	47	48	44	32	22	13	2	
66	8	4	27	29	34	45	50	52	42	31	24	14	-1	
67	7	-4	1	29	34	45	50	52	38	27	25	12	4	
68	7	7	11	24	31	42	53	52	41	32	14	12	-4	
69	-4	7	11	20	35	50	53	48	41	35	23	-2	-4	
70	10	1	19	20	33	49	53	47	36	25	17	11	10	
71	-12	5	15	23	28	41	54	53	44	28	20	11	-12	
72	-1	1	21	27	40	41	52	48	43	40	23	9	-1	
73	1	1	7	28	34	43	49	49	45	26	17	13	1	
74	3	1	17	20	33	44	55	55	39	35	22	16	2	
75	4	11	17	32	38	40	52	55	39	28	23	16	4	

NOTES * (BASED ON LESS THAN FULL MONTHS)
 # (AT LEAST ONE DAY LESS THAN 24 OBS)

CONTINUED ON NEXT PAGE....

WORLD CLIMATE DATA CENTER
 AIR STATION SERVICE/NAO

STATION NUMBER: 705160 STATION NAME: STIS ALCB MA

PERIOD OF RECORD: 42-44, 48-86

WORLD CLIMATE DATA CENTER
 AIR STATION SERVICE/NAO

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
75	11	7	10	24	38	42	53	49	40	31	26	5	5
76	11	7	10	24	38	42	53	49	40	31	26	5	5
77	11	7	10	24	38	42	53	49	40	31	26	5	5
78	11	7	10	24	38	42	53	49	40	31	26	5	5
79	11	7	10	24	38	42	53	49	40	31	26	5	5
80	11	7	10	24	38	42	53	49	40	31	26	5	5
81	11	7	10	24	38	42	53	49	40	31	26	5	5
82	11	7	10	24	38	42	53	49	40	31	26	5	5
83	11	7	10	24	38	42	53	49	40	31	26	5	5
84	11	7	10	24	38	42	53	49	40	31	26	5	5
85	11	7	10	24	38	42	53	49	40	31	26	5	5
86	11	7	10	24	38	42	53	49	40	31	26	5	5
MEAN	4.0	6.3	15.4	27.3	36.2	45.9	53.3	50.8	41.5	31.7	23.3	8.8	1.0
STDEV	6.259	6.341	5.760	4.232	3.391	3.102	2.850	3.373	2.785	3.397	4.625	6.546	5.914
TOTAL OBS	1240	1130	1740	1195	1709	1170	1209	1202	1155	1240	1184	1270	14447

NOTES * (BASED ON LESS THAN FULL MONTHS)
 # (AT LEAST ONE DAY LESS THAN 24 OBS)

RELATIONSHIP: THIS AGENCY MA

PERIOD OF RECORD: 77-86

	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1-11	35.7	42.8	51.4	65.9	65.6	59.2	50.6	44.0	35.2	47.3
1-11	7.552	8.421	8.546	9.131	9.131	8.459	8.459	8.926	9.911	15.090
1-11	9.0	9.0	9.0	9.0	9.0	8.52	9.0	8.91	9.13	10.838
1-11	35.6	41.9	50.7	65.0	64.8	58.2	49.7	43.5	34.5	46.5
1-11	8.190	8.744	8.840	9.435	9.435	8.009	8.660	9.118	10.155	15.225
1-11	9.0	9.0	9.0	9.0	9.0	8.51	9.0	8.91	9.06	10.831
1-11	35.5	40.2	54.5	68.4	67.3	60.5	50.8	43.6	34.4	46.2
1-11	8.333	8.747	8.841	9.435	9.435	7.601	8.287	9.179	10.401	16.343
1-11	9.0	9.0	9.0	9.0	9.0	8.47	9.0	8.89	9.13	10.842
1-11	35.8	43.1	51.7	66.0	72.8	66.7	56.8	48.3	37.8	53.1
1-11	8.596	8.864	9.299	9.825	9.825	7.265	7.169	8.406	9.570	16.545
1-11	9.0	9.0	9.0	9.0	9.0	8.44	9.0	8.89	9.23	10.852
1-11	35.8	43.1	51.7	66.0	74.9	68.9	58.9	50.5	40.1	55.5
1-11	8.596	8.864	9.299	9.825	9.825	7.628	7.328	8.148	9.886	16.677
1-11	9.0	9.0	9.0	9.0	9.0	8.47	9.0	8.88	9.21	10.846
1-11	35.8	42.6	50.7	65.6	73.8	67.3	57.3	48.7	39.0	54.4
1-11	8.816	9.292	9.457	9.825	9.825	7.016	7.017	7.629	8.612	16.169
1-11	9.0	9.0	9.0	9.0	9.0	8.53	9.0	8.90	9.22	11.861
1-11	35.9	46.7	55.9	70.6	69.5	62.7	53.2	45.7	36.0	50.7
1-11	8.178	8.704	9.299	9.825	9.825	6.026	7.603	7.818	9.287	15.415
1-11	9.0	9.0	9.0	9.0	9.0	8.55	9.0	8.91	9.18	10.850
1-11	35.0	44.2	53.0	67.4	66.7	60.4	51.4	44.5	35.5	48.4
1-11	8.779	9.299	9.457	9.825	9.825	7.144	8.285	8.432	9.723	15.002
1-11	9.0	9.0	9.0	9.0	9.0	8.57	9.0	8.91	9.14	10.847
1-11	35.9	46.0	56.0	70.4	69.4	63.0	53.6	46.1	36.0	50.5
1-11	8.594	9.071	9.414	9.825	9.825	6.331	8.543	8.834	9.785	16.194
1-11	9.0	9.0	9.0	9.0	9.0	8.06	9.0	8.91	9.23	10.847
1-11	35.9	46.0	56.0	70.4	72.5	68.6	58.6	50.5	40.1	55.5
1-11	8.594	9.071	9.414	9.825	9.825	7.628	7.328	8.148	9.886	16.677
1-11	9.0	9.0	9.0	9.0	9.0	8.47	9.0	8.88	9.21	10.846
1-11	35.9	46.7	55.9	70.6	73.8	67.3	57.3	48.7	39.0	54.4
1-11	8.816	9.292	9.457	9.825	9.825	7.016	7.017	7.629	8.612	16.169
1-11	9.0	9.0	9.0	9.0	9.0	8.53	9.0	8.90	9.22	11.861
1-11	35.9	46.7	55.9	70.6	69.5	62.7	53.2	45.7	36.0	50.7
1-11	8.178	8.704	9.299	9.825	9.825	6.026	7.603	7.818	9.287	15.415
1-11	9.0	9.0	9.0	9.0	9.0	8.55	9.0	8.91	9.18	10.850
1-11	35.0	44.2	53.0	67.4	66.7	60.4	51.4	44.5	35.5	48.4
1-11	8.779	9.299	9.4							

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/JMAC

WET-BULB TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 725000 STATION NAME: OTIS ANGUS MA PERIOD OF RECORD: 77-86

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02	MEAN	25.3	26.7	32.6	39.8	48.9	56.6	63.2	63.1	56.4	47.7	40.6	32.1	44.3
	SD	10.854	9.996	8.368	7.026	7.181	5.661	5.902	6.663	8.307	9.094	9.589	10.288	15.488
	TOT OBS	887	814	903	900	930	894	930	832	741	837	818	896	10382
03-05	MEAN	24.6	25.6	32.0	39.0	48.3	55.9	62.5	62.5	55.8	46.9	40.3	31.6	43.7
	SD	11.161	10.224	8.816	7.348	7.422	5.876	6.234	6.928	8.539	9.091	9.796	10.362	15.615
	TOT OBS	887	813	904	900	930	894	930	831	738	837	816	888	10368
06-08	MEAN	24.2	25.7	32.5	40.6	50.9	58.5	64.5	64.2	57.5	47.9	40.7	31.5	44.8
	SD	11.474	10.333	8.894	7.191	6.998	5.529	5.660	6.343	7.976	8.824	9.821	10.547	16.284
	TOT OBS	897	814	902	900	930	895	930	831	733	836	816	894	10378
09-11	MEAN	26.8	28.9	35.6	43.5	53.6	60.8	66.5	66.5	60.4	51.2	43.7	34.0	47.5
	SD	10.631	9.582	8.579	7.327	7.422	6.064	5.782	6.144	7.123	8.000	9.256	9.891	15.922
	TOT OBS	901	814	895	898	926	900	930	830	737	837	822	905	10403
12-14	MEAN	29.0	31.0	37.1	44.6	54.6	61.6	67.4	67.1	61.1	52.1	44.7	35.3	46.7
	SD	9.713	8.715	8.112	7.244	7.436	6.105	5.853	6.213	7.138	7.832	8.781	9.214	15.381
	TOT OBS	903	821	902	896	926	900	930	827	740	837	820	905	10407
15-17	MEAN	28.8	31.1	36.8	44.0	53.7	61.0	66.9	66.7	60.3	51.3	43.4	34.5	48.1
	SD	9.330	8.446	7.594	6.659	7.140	5.856	5.651	5.984	6.979	7.821	8.371	9.052	15.147
	TOT OBS	907	821	906	898	930	900	930	828	744	837	823	906	10429
18-20	MEAN	27.2	29.1	34.7	42.1	51.5	59.1	65.3	65.1	58.4	49.3	41.6	33.0	46.3
	SD	9.905	8.677	7.504	6.335	6.775	5.459	5.359	6.032	7.090	8.439	8.712	9.756	15.199
	TOT OBS	904	827	904	900	929	899	928	828	744	837	822	902	10404
21-23	MEAN	26.2	27.8	33.6	40.8	50.0	57.6	64.1	63.9	57.2	48.1	40.8	32.4	45.1
	SD	10.621	9.236	7.704	6.689	6.759	5.455	5.658	6.321	7.700	8.928	9.220	10.184	15.308
	TOT OBS	898	810	905	899	929	893	926	828	746	837	822	899	10392
ALL	MEAN	26.5	28.2	34.4	41.8	51.4	58.9	65.0	64.9	58.4	49.3	42.0	33.1	46.1
	SD	10.609	9.632	8.398	7.249	7.466	6.090	5.998	6.541	7.843	8.715	9.338	10.005	15.643
HOURS	TOT OBS	7184	6513	7221	7191	7432	7175	7434	6641	5923	6695	6559	7195	83163

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

NEW-POINT TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANCR MA PERIOD OF RECORD: 77-86

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
00-02	MEAN	17.0	19.0	20.2	25.4	46.2	54.3	61.3	61.6	54.2	44.5	36.1	25.8	40.1
	SD	15.076	14.401	12.746	9.783	8.896	6.919	7.143	7.456	9.472	10.999	12.425	14.030	18.861
	TOT OBS	887	814	903	900	930	894	920	832	741	837	818	896	10382
03-05	MEAN	16.6	18.2	25.6	34.6	45.9	53.8	60.7	61.1	53.6	43.9	36.0	25.5	39.6
	SD	15.211	14.508	12.943	10.066	9.037	7.121	7.455	7.691	9.659	10.791	12.420	13.767	18.894
	TOT OBS	887	813	904	900	930	894	930	831	738	837	816	888	10368
06-08	MEAN	16.3	18.1	26.2	35.5	47.3	55.3	61.9	62.2	55.2	44.6	36.6	25.4	40.3
	SD	15.506	14.596	13.005	10.316	9.291	7.190	7.099	7.335	9.112	10.063	12.317	13.728	19.356
	TOT OBS	897	814	902	900	930	895	930	831	733	836	816	894	10378
09-11	MEAN	16.2	20.0	26.9	35.4	47.5	55.4	61.7	62.7	55.7	45.8	38.1	26.8	41.1
	SD	15.008	14.346	13.278	11.275	10.788	6.271	7.977	7.769	9.081	10.861	12.517	13.814	19.120
	TOT OBS	901	814	895	898	928	900	930	836	737	837	822	905	10403
12-14	MEAN	19.3	20.9	27.2	35.4	47.5	55.6	61.9	62.4	55.4	45.8	37.5	26.7	41.2
	SD	14.515	13.705	12.719	11.181	10.868	8.306	6.172	8.109	9.298	10.943	12.484	13.689	18.830
	TOT OBS	903	821	902	896	926	900	930	827	740	837	820	905	10407
15-17	MEAN	19.2	21.0	27.2	35.4	47.1	55.4	61.6	62.3	55.1	45.6	36.6	26.1	40.9
	SD	14.372	13.825	12.267	10.691	10.403	8.066	7.977	7.871	9.117	10.960	12.080	13.650	18.681
	TOT OBS	907	820	906	899	930	900	930	828	744	837	823	906	10429
18-20	MEAN	18.6	20.4	27.1	35.7	47.0	55.1	61.7	62.2	55.2	45.4	36.3	25.9	40.8
	SD	14.589	13.915	12.006	10.671	9.287	7.247	7.202	7.422	8.579	10.735	12.071	13.907	18.608
	TOT OBS	904	807	904	900	929	899	928	828	744	837	822	902	10404
21-23	MEAN	17.9	19.7	27.0	36.1	47.1	55.0	61.9	62.1	54.7	44.7	35.8	25.8	40.5
	SD	14.972	14.041	12.163	9.815	8.573	6.723	7.041	7.182	8.979	10.861	12.352	14.109	18.721
	TOT OBS	898	810	905	899	929	893	926	828	746	837	822	899	10392
ALL	MEAN	17.9	19.7	26.7	35.5	46.9	55.0	61.9	62.1	54.9	45.0	36.6	26.0	40.5
	SD	14.945	14.267	12.651	10.417	9.696	7.525	7.527	7.621	9.180	10.869	12.350	13.839	18.691
	TOT OBS	7184	6513	7221	7191	7432	7175	7434	6641	5923	6695	6559	7195	83163

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725000 STATION NAME: OTIS ANGEL MA PERIOD OF RECORD: 77-86
MONTH: JAN

MONTH	HOURS	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL
JAN	03-02	100.0	100.0	99.3	94.0	76.4	57.3	36.8	20.5	4.7	64.3	887
	03-05	100.0	100.0	99.7	93.9	78.1	59.1	38.4	21.3	6.0	65.3	867
	06-08	100.0	100.0	99.2	94.1	79.4	60.3	38.9	21.5	6.6	65.5	897
	09-11	100.0	100.0	98.9	90.2	72.4	49.5	33.6	20.1	5.8	62.5	901
	12-14	100.0	100.0	96.6	82.3	60.8	42.7	29.7	17.3	4.7	58.9	903
	15-17	100.0	99.6	96.1	82.0	64.2	46.4	29.7	17.4	4.6	59.4	907
	18-20	100.0	99.7	98.0	84.6	71.1	56.0	37.6	16.4	4.9	63.1	904
	21-23	100.0	99.7	99.1	91.0	74.6	56.6	39.4	21.0	5.9	64.3	898
	TOTALS	100.0	99.9	90.4	89.6	72.1	53.6	35.4	19.7	5.4	62.9	7184

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/PAO

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725060 STATION NAME: OJIS ANUP MA

PERIOD OF RECORD: 77-86
MONTH: FEB

MONTH	HOURS (LST)	100	90	80	70	60	50	40	30	20	10	MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
FEB	00-02	100.0	97.7	92.5	79.6	63.0	43.7	25.4	5.8	66.3	814		
	03-05	100.0	96.6	92.5	81.1	62.0	42.8	26.9	5.8	66.7	817		
	06-08	100.0	96.8	94.1	81.4	62.9	41.3	23.6	4.3	66.4	814		
	09-11	100.0	96.3	89.1	69.9	48.8	31.9	17.1	4.5	61.3	814		
	12-14	99.9	93.6	80.6	58.7	38.4	26.4	15.2	2.6	57.1	821		
	15-17	100.0	99.4	80.2	59.0	40.1	26.8	17.0	4.0	57.4	820		
	18-20	100.0	95.8	87.6	71.7	52.8	34.4	19.5	5.9	62.3	807		
	21-23	100.0	96.8	90.1	76.5	60.5	42.6	23.1	5.4	65.0	810		
	TOTALS	100.0	97.9	89.4	72.2	53.4	36.2	21.0	4.8	62.5	6517		

GLOBAL CLIMATOLOGY SEARCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725000 STATION NAME: OTIS AFB MA PERIOD OF RECORD: 77-80
 MONTH: MAR

MONTH	HOURS (LST)	100	90	80	70	60	50	40	30	20	10	MEAN	TOTAL
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	RELATIVE HUMIDITY	90
MAR	00-02	100.0	100.0	98.7	96.1	92.6	89.8	84.7	87.4	13.7	73.3	93.1	
	03-05	100.0	100.0	95.6	93.3	83.7	71.7	55.7	35.6	13.9	71.4	90.4	
	06-08	100.0	100.0	93.0	84.2	83.0	70.5	51.6	37.5	16.1	73.8	90.1	
	09-11	100.0	100.0	95.6	87.7	85.8	46.3	32.3	23.0	15.4	61.3	89.1	
	12-14	100.0	99.7	90.4	72.0	54.2	35.0	26.6	17.6	6.2	56.6	90.1	
	15-17	100.0	90.0	57.0	77.7	58.5	40.4	27.9	17.5	5.0	57.6	90.1	
	18-20	100.0	75.4	46.2	84.4	75.2	55.4	40.4	25.6	4.7	64.8	90.4	
	21-23	100.0	77.9	45.1	91.0	62.7	69.7	52.5	32.4	13.0	69.3	90.1	
	TOTALS	100.0	99.7	90.6	86.6	73.2	53.2	42.7	26.6	11.6	55.3	7221	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725960 STATION NAME: OTIS ANG F MA

PERIOD OF RECORD: 77-86
MONTH: APR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL OBS
		100	90	80	70	60	50	40	30	20	10		
APR	00-02	100.0	100.0	100.0	96.4	93.0	82.4	64.8	42.6	18.0	76.0	900	
	03-05	100.0	100.0	100.0	95.0	93.3	83.4	65.7	48.7	21.2	77.0	900	
	06-08	100.0	100.0	99.4	96.8	87.1	74.7	50.2	39.2	18.6	73.1	900	
	09-11	100.0	100.0	99.7	89.1	65.7	46.1	31.4	20.8	10.4	61.1	898	
	12-14	100.0	99.4	91.6	75.3	57.0	41.7	27.7	16.6	8.6	57.2	898	
	15-17	100.0	99.4	94.0	75.0	67.8	44.4	31.0	19.6	9.2	59.2	898	
	18-20	100.0	99.7	97.0	91.4	82.4	63.7	45.6	29.4	11.1	68.0	901	
	21-23	100.0	100.0	99.2	91.0	91.7	81.4	62.1	40.4	15.6	74.5	895	
TOTALS		100.0	99.7	97.1	86.0	74.8	64.8	48.7	32.2	14.1	68.3	7191	

GLOBAL CLIMATOLOGY BRANCH
 CLIMATE
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725000 STATION NAME: GUS ABER MA

PERIOD OF RECORD: 77-86
 MONTH: MAY

MONTH	HOURS	100.0	100.0	100.0	99.9	99.9	99.9	93.9	84.8	61.7	29.2	82.6	930
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.9	86.0	65.1	32.3	83.9	930
	100.0	100.0	100.0	99.9	97.6	97.6	97.6	83.0	70.4	49.9	28.1	74.1	930
	100.0	99.9	97.6	86.1	72.3	58.6	40.7	30.1	15.5	66.5	924		
	100.0	99.9	96.0	80.6	66.0	52.6	38.7	22.9	10.2	62.3	924		
	100.0	99.9	97.0	84.9	69.0	55.5	41.5	26.3	9.8	64.2	930		
	100.0	100.0	99.6	96.7	90.1	77.2	58.9	38.6	16.4	73.6	929		
	100.0	100.0	99.9	97.6	97.6	93.7	80.0	55.5	23.5	80.8	929		
	100.0	99.9	97.6	85.2	69.7	70.0	63.4	43.7	20.6	74.0	7432		
	TOTALS	100.0	99.9	97.6	85.2	69.7	70.0	63.4	43.7	20.6	74.0	7432	

GLOBAL CLIMATOLOGY BRANCH
 WAFBETAC
 AIRCRAFT SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 705000 STATION NAME: OTIS ARAB MA

PERIOD OF RECORD: 77-86
 MONTH: JUN

MONTH	HOURS	100.0	100.0	100.0	100.0	99.7	99.9	85.5	66.4	30.5	83.9	894
JUN	00-01	100.0	100.0	100.0	100.0	99.7	99.9	85.5	66.4	30.5	83.9	894
	02-03	100.0	100.0	100.0	100.0	99.1	96.3	68.5	68.9	36.2	85.0	894
	04-05	100.0	100.0	100.0	99.4	95.5	63.7	69.7	50.1	23.7	78.4	894
	06-07	100.0	100.0	99.7	94.1	75.4	59.1	41.1	26.2	12.2	66.5	900
	08-09	100.0	100.0	100.0	85.1	69.2	50.4	34.1	21.2	9.8	63.0	900
	10-11	100.0	100.0	99.1	91.2	73.7	55.6	37.4	24.4	13.2	65.0	900
	12-13	100.0	100.0	99.4	97.5	89.2	76.5	58.2	36.4	13.9	73.2	894
	14-15	100.0	100.0	99.3	93.3	94.4	94.2	80.6	55.2	23.5	51.4	892
	16-17	100.0	100.0	99.3	96.4	67.5	76.5	61.9	43.7	19.9	74.6	7175
	TOTALS	100.0	100.0	100.0	99.3	96.4	67.5	76.5	61.9	43.7	74.6	7175

GLOBAL CLIMATOLOGY BRANCH
 WAFETAG
 AIR WEATHER SERVICE/PAO

RELATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 70500 STATION NAME: DTIS ANDER PA

PERIOD OF RECORD: 77-86
 MONTH: JUL

MONTH	HOURS (LST)	100	200	300	400	500	600	700	800	900	MEAN RELATIVE HUMIDITY	TOTAL OBS
JUL	00-02	100.0	100.0	100.0	100.0	99.9	97.0	88.7	69.6	39.7	85.5	930
	03-05	100.0	100.0	100.0	100.0	99.7	98.1	91.4	72.0	41.9	86.4	930
	06-08	100.0	100.0	100.0	100.0	99.5	96.0	75.9	54.9	28.1	80.6	930
	09-11	100.0	100.0	99.5	96.9	80.5	61.8	42.0	25.8	7.7	66.9	930
	12-14	100.0	100.0	99.1	91.4	74.2	50.9	33.7	16.2	4.5	62.5	930
	15-17	100.0	100.0	99.7	97.0	77.2	55.1	37.0	19.4	4.7	64.3	930
	18-20	100.0	100.0	99.9	96.7	92.9	81.4	60.0	38.5	13.7	74.2	928
	21-27	100.0	100.0	100.0	99.9	99.0	95.1	89.2	64.5	26.2	83.0	928
	TOTALS	100.0	100.0	99.8	97.4	90.2	78.7	64.2	45.1	20.8	75.4	7434

MONTHLY CLIMATE DATA
 STATION NAME: STATION NUMBER: 015 8404 MA
 PERIOD OF RECORD: 77-86
 MONTH: SEP

MONTH		PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	
HOURS		100	90	80	70	60	50	40	30	20	10	RELATIVE HUMIDITY	TOTAL
(LST)		100	90	80	70	60	50	40	30	20	10	RELATIVE HUMIDITY	TOTAL
SEP	00-01	100.0	100.0	100.0	100.0	99.7	96.0	66.6	69.4	26.2	84.2	741	
	02-03	100.0	100.0	100.0	100.0	99.9	96.4	92.0	73.8	34.4	85.7	738	
	04-05	100.0	100.0	100.0	100.0	99.9	95.9	85.3	64.4	28.0	83.3	732	
	06-07	100.0	100.0	100.0	97.0	87.5	69.1	46.0	27.7	11.7	69.8	737	
	08-09	100.0	100.0	99.0	93.9	80.1	54.6	33.4	20.1	6.8	64.5	740	
	10-11	100.0	100.0	100.0	96.4	86.0	62.9	38.4	22.8	8.3	67.1	744	
	12-13	100.0	100.0	100.0	96.4	97.6	69.5	72.0	47.0	13.0	77.8	744	
	14-15	100.0	100.0	100.0	100.0	98.5	95.2	85.9	62.5	21.2	82.2	746	
	16-17	100.0	100.0	95.9	96.5	93.6	82.8	67.7	48.5	18.7	76.8	5923	
	18-19	100.0	100.0	95.9	96.5	93.6	82.8	67.7	48.5	18.7	76.8	5923	
	20-21	100.0	100.0	95.9	96.5	93.6	82.8	67.7	48.5	18.7	76.8	5923	
	22-23	100.0	100.0	95.9	96.5	93.6	82.8	67.7	48.5	18.7	76.8	5923	
	TOTAL	100.0	100.0	95.9	96.5	93.6	82.8	67.7	48.5	18.7	76.8	5923	

STATION NUMBER: 72500 STATION NAME: DTG ANCH MA PERIOD OF RECORD: 77-84,66
 MONTH: OCT

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN		TOTAL NUM
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	RELATIVE HUMIDITY		
		100.0	100.0	100.0	100.0	99.2	97.0	76.0	54.4	24.5	80.4	80.4	837	
	00-07	100.0	100.0	100.0	99.9	99.6	94.0	77.4	57.1	24.1	80.9	80.9	837	
	08-15	100.0	100.0	100.0	100.0	99.4	92.1	75.8	53.6	20.0	79.9	79.9	836	
	16-23	100.0	100.0	100.0	99.6	86.7	66.4	45.2	26.2	10.8	68.9	68.9	837	
	00-07	100.0	100.0	99.4	93.3	75.9	56.0	34.6	19.5	7.5	64.5	64.5	837	
	08-15	100.0	100.0	99.9	94.0	83.0	65.7	42.9	24.6	9.7	67.7	67.7	837	
	16-23	100.0	100.0	100.0	99.9	94.5	84.5	67.3	40.9	14.7	76.1	76.1	837	
	00-07	100.0	100.0	100.0	99.9	97.7	89.2	74.4	46.4	20.4	78.7	78.7	837	
TOTALS		100.0	100.0	99.9	94.2	81.8	79.9	61.7	40.3	16.5	74.6	74.6	6698	

GLOBAL CLIMATELOGY SEARCH CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE RELATIVE HUMIDITY
 WSAFETAC FROM HOURLY OBSERVATIONS

STATION NUMBER: 73060 STATION NAME: OTIS ANGUF MA PERIOD OF RECORD: 77-86
 MONTH: NOV

MONTH	HOURS	100	90	80	70	60	50	40	30	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	MEAN	TOTAL
	(LST)	100	90	80	70	60	50	40	30	RELATIVE HUMIDITY	RELATIVE HUMIDITY	RELATIVE HUMIDITY
NOV	00-02	100.0	100.0	100.0	99.1	93.9	80.6	63.8	43.3	17.6	75.7	818
	03-05	100.0	100.0	100.0	99.9	95.2	85.0	65.0	43.9	19.6	76.8	818
	06-08	100.0	100.0	100.0	100.0	97.2	86.9	68.8	45.1	20.2	77.3	818
	09-11	100.0	100.0	99.0	97.2	86.6	65.6	46.5	32.7	16.5	70.4	822
	12-14	100.0	100.0	99.4	89.3	71.0	52.8	35.4	21.8	9.4	63.7	821
	15-17	100.0	100.0	98.4	90.9	77.3	56.8	40.3	24.2	8.3	65.7	823
	18-20	100.0	100.0	99.5	96.0	86.8	76.0	53.4	33.5	12.7	71.9	822
	21-23	100.0	100.0	99.6	98.5	91.8	79.7	59.4	38.1	16.4	74.0	822
TOTALS		100.0	100.0	99.5	98.4	87.5	73.1	53.7	35.3	15.1	71.9	6559

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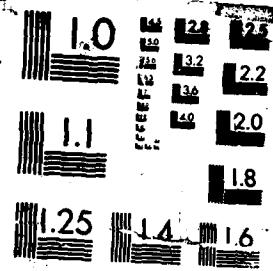
OTIS ANGB MASSACHUSETTS REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. 12 JUN 87
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MICROCOPY RESOLUTION TEST CHART

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725060		STATION NAME: OTIS ANGB MA		PERIOD OF RECORD: 77-86								
		MONTH: DEC										
MONTH	HOURS	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM.
DEC	00-02	100.0	100.0	100.0	95.8	85.7	69.1	49.2	31.5	11.4	70.0	896
	03-05	100.0	100.0	99.8	97.7	88.9	73.3	48.8	31.4	11.6	70.9	886
	06-08	100.0	100.0	99.8	98.3	90.0	72.8	50.3	31.0	10.4	70.9	894
	09-11	100.0	100.0	98.7	94.0	78.3	59.8	40.9	24.8	9.2	66.3	905
	12-14	100.0	99.9	97.7	84.9	66.5	47.7	33.0	19.3	5.7	61.0	905
	15-17	100.0	99.9	97.1	86.3	68.1	49.8	35.4	20.8	7.2	62.1	906
	18-20	100.0	100.0	99.6	93.2	79.4	61.4	42.0	25.6	10.1	66.8	902
	21-23	100.0	100.0	99.8	95.3	82.9	67.9	47.2	30.4	11.7	69.2	899
	TOTALS	100.0	100.0	99.1	93.2	80.0	62.7	43.4	26.9	9.7	67.2	7195

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725060		STATION NAME: OTIS ANGE MA		PERIOD OF RECORD: 77-86									
		MONTH: ALL											
MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
JAN	ALL	100.0	99.9	98.4	89.6	72.1	53.5	35.4	19.7	5.4	62.9	7184	
FEB		100.0	99.9	96.4	88.4	72.2	53.6	36.2	21.0	4.8	62.8	6513	
MAR		100.0	99.7	96.6	86.6	73.2	58.2	42.7	28.8	11.0	65.3	7221	
APR		100.0	99.7	97.1	89.2	78.8	64.8	48.2	32.2	14.1	68.3	7191	
MAY		100.0	99.9	98.8	93.2	85.7	76.2	63.4	43.7	20.6	74.0	7432	
JUN		100.0	100.0	99.8	96.4	87.5	76.5	61.9	43.7	19.9	74.6	7175	
JUL		100.0	100.0	99.8	97.4	90.2	78.7	64.2	45.1	20.8	75.4	7434	
AUG		100.0	100.0	100.0	99.2	95.2	86.6	72.6	53.2	23.4	78.9	6641	
SEP		100.0	100.0	99.9	98.5	93.6	82.8	67.7	48.5	18.7	76.8	5923	
OCT		100.0	100.0	99.9	98.2	91.8	79.9	61.7	40.3	16.5	74.6	6695	
NOV		100.0	100.0	99.5	96.4	87.8	73.1	53.7	35.3	15.1	71.9	6559	
DEC		100.0	100.0	99.1	93.2	80.0	62.7	43.4	26.9	9.7	67.2	7195	
TOTALS		100.0	99.9	98.8	93.9	84.0	70.6	54.3	36.5	15.0	71.1	83163	

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PRESSURE SUMMARIES

STATION PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).
PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).
PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION PRESSURE IN INCHES HG FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
01	MEAN	29.793	29.850	29.816	29.811	29.823	29.805	29.833	29.880	29.920	29.921	29.916	29.875	29.853
	SD	.338	.296	.309	.263	.192	.186	.161	.144	.178	.254	.282	.303	.254
	TOT OBS	305	282	310	300	310	300	310	310	300	310	300	308	3645
04	MEAN	29.793	29.846	29.802	29.800	29.816	29.799	29.830	29.873	29.913	29.919	29.909	29.874	29.848
	SD	.339	.295	.313	.265	.193	.189	.161	.145	.181	.251	.286	.306	.255
	TOT OBS	306	282	310	300	310	300	310	310	300	310	300	306	3644
07	MEAN	29.810	29.865	29.827	29.826	29.840	29.822	29.853	29.896	29.937	29.943	29.925	29.890	29.869
	SD	.342	.292	.312	.265	.195	.192	.161	.145	.186	.251	.293	.312	.257
	TOT OBS	309	282	310	300	310	300	310	310	300	310	300	307	3648
10	MEAN	29.834	29.877	29.834	29.826	29.842	29.821	29.853	29.901	29.944	29.950	29.936	29.918	29.878
	SD	.344	.290	.314	.267	.196	.195	.162	.146	.189	.256	.301	.316	.260
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
13	MEAN	29.772	29.833	29.802	29.801	29.823	29.804	29.837	29.882	29.916	29.912	29.892	29.870	29.845
	SD	.345	.292	.310	.265	.197	.196	.163	.149	.191	.259	.302	.308	.259
	TOT OBS	309	281	310	300	310	300	310	309	300	310	300	310	3649
16	MEAN	29.774	29.824	29.785	29.783	29.807	29.789	29.820	29.865	29.900	29.902	29.895	29.875	29.835
	SD	.341	.296	.300	.263	.195	.192	.163	.147	.188	.258	.287	.299	.256
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	29.799	29.850	29.809	29.801	29.817	29.798	29.826	29.873	29.915	29.925	29.918	29.896	29.852
	SD	.340	.295	.297	.260	.190	.186	.159	.143	.179	.258	.276	.296	.252
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	308	3650
22	MEAN	29.802	29.858	29.823	29.816	29.833	29.818	29.843	29.890	29.928	29.934	29.920	29.893	29.863
	SD	.340	.294	.301	.261	.189	.184	.159	.143	.176	.262	.273	.298	.252
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	307	3649
ALL	MEAN	29.797	29.850	29.812	29.808	29.825	29.807	29.837	29.882	29.921	29.926	29.914	29.886	29.856
	SD	.341	.294	.307	.264	.193	.190	.161	.146	.184	.256	.288	.305	.256
HOURS	TOT OBS	2469	2254	2480	2400	2480	2400	2480	2479	2400	2480	2400	2466	29188

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SEA LEVEL PRESSURE IN MBS FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77,81-86

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST	1													
	MEAN	1015.4	1016.5	1015.3	1013.8	1015.3	1014.2	1015.2	1016.8	1019.4	1020.5	1019.2	1019.1	1016.7
	SD	11.886	9.811	10.566	9.026	6.310	5.641	5.149	4.939	5.860	7.721	9.198	9.828	8.571
	TOT OBS	155	141	155	150	155	150	155	155	150	155	150	167	1838
	MEAN	1015.4	1016.3	1014.8	1013.4	1015.0	1014.0	1015.1	1016.6	1019.2	1020.5	1018.9	1019.1	1016.5
	SD	11.935	9.772	10.579	9.036	6.444	5.885	5.088	4.947	5.990	7.729	9.407	9.759	8.627
	TOT OBS	155	141	155	150	155	150	155	155	150	155	150	166	1837
	MEAN	1016.0	1017.0	1015.7	1014.4	1015.8	1014.8	1015.9	1017.4	1020.1	1021.2	1019.4	1019.6	1017.3
	SD	11.971	9.750	10.756	8.982	6.455	5.923	5.097	4.940	6.107	7.910	9.810	9.817	8.692
	TOT OBS	155	141	155	150	155	150	155	155	150	155	150	166	1837
	MEAN	1016.8	1017.4	1015.9	1014.4	1015.8	1014.9	1015.8	1017.6	1020.3	1021.5	1019.7	1020.4	1017.6
	SD	11.693	9.832	10.768	9.066	6.495	5.965	5.192	4.996	6.219	7.998	10.154	9.879	8.766
	TOT OBS	155	141	155	150	155	150	155	155	150	155	150	166	1837
	MEAN	1014.8	1016.0	1014.6	1013.6	1015.2	1014.2	1015.2	1016.9	1019.3	1020.3	1018.1	1018.7	1016.4
	SD	11.532	9.836	10.662	9.125	6.481	5.878	5.260	5.019	6.360	8.039	10.152	9.659	8.686
	TOT OBS	155	141	155	150	155	150	155	155	150	155	150	166	1837
	MEAN	1014.8	1015.6	1014.1	1013.0	1014.7	1013.7	1014.6	1016.3	1018.8	1019.9	1018.3	1018.6	1016.1
	SD	11.357	9.855	10.294	9.213	6.396	5.725	5.345	4.965	6.298	7.954	9.548	9.381	8.566
	TOT OBS	155	141	155	150	155	150	156	155	150	155	150	166	1838
	MEAN	1015.7	1016.5	1014.9	1013.6	1015.0	1014.0	1014.8	1016.6	1019.4	1020.7	1019.2	1019.5	1016.7
	SD	11.501	9.917	10.095	9.065	6.256	5.495	5.117	4.866	6.019	7.823	9.014	9.436	8.474
	TOT OBS	155	141	155	150	155	150	155	155	150	155	150	165	1836
	MEAN	1015.7	1016.7	1015.4	1014.0	1015.5	1014.8	1015.4	1017.2	1019.8	1021.1	1019.3	1019.5	1017.1
	SD	11.577	9.865	10.195	9.042	6.331	5.367	5.066	4.901	5.884	7.946	8.895	9.651	8.467
	TOT OBS	155	141	155	150	155	150	155	155	150	155	150	165	1836
	MEAN	1015.6	1016.5	1015.1	1013.8	1015.3	1014.3	1015.2	1016.9	1019.5	1020.7	1019.0	1019.3	1016.8
	SD	11.660	9.814	10.477	9.057	6.369	5.737	5.168	4.949	6.095	7.883	9.518	9.666	8.616
	TOT OBS	1240	1128	1240	1200	1240	1200	1241	1240	1200	1240	1200	1327	14696

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